Species Composition and Seasonal Abundance of Zooplankton in Lake 114, Experimental Lakes Area, Northwestern Ontario: Before and During Acidification 1970-1971, 1978-1983

S.G. Lawrence, M. MacIver and I.L. Delbaere

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

September 1984

Canadian Data Report of Fisheries and Aquatic Sciences No. 472

85-0299/

Canadian Data Report of Fisheries and Aquatic Sciences

These reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of Data Reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries management, technology and development, ocean sciences, and aquatic environments relevant to Canada.

Numbers 1-25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26-160 were issued as Department of Fisheries and the Environment, Fisheries and Marine Service Data Reports. The current series name was changed with report number 161.

Data Reports are not intended for general distribution and the contents must not be referred to in other publications without prior written clearance from the issuing establishment. The correct citation appears above the abstract of each report.

Rapport statistique canadien des sciences halieutiques et aquatiques

Ces rapports servent de base à la compilation des données de classement et d'archives pour lesquelles il y a peu ou point d'analyse. Cette compilation aura d'ordinaire été préparée pour appuyer d'autres publications ou rapports. Les sujets des Rapports statistiques reflètent la vaste gamme des intérêts et politiques du Ministère des Pêches et des Océans, notamment gestion des pêches, techniques et développement, sciences océaniques et environnements aquatiques, au Canada.

Les numéros 1 à 25 de cette série ont été publiés à titre de Records statistiques, Service des pêches et de la mer. Les numéros 26-160 ont été publiés à titre de Rapports statistiques du Service des pêches et de la mer, Ministère des Pêches et de l'Environnement. Le nom de la série a été modifié à partir du numéro 161.

Les Rapports statistiques ne sont pas préparés pour une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au haut du résumé de chaque rapport.

Canadian Data Report of
Fisheries and Aquatic Sciences 472

SPECIES COMPOSITION AND SEASONAL ABUNDANCE OF ZOOPLANKTON IN LAKE 114, EXPERIMENTAL LAKES AREA, NORTHWESTERN ONTARIO: BEFORE AND DURING ACIDIFICATION 1970-1971, 1978-1983

by

S.G. Lawrence, M. MacIver and I.L. Delbaere

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

This is the 66th Data Report
from the Western Region, Winnipeg

© Minister of Supply and Services Canada 1984

Cat. no. Fs 97-13/472E ISSN 0706-6465

Correct citation for this publication is:

Lawrence, S.G., M. MacIver, and I.L. Delbaere. 1984. Species composition and seasonal abundance of zooplankton in Lake 114, Experimental Lakes Area, northwestern Ontario: before and during acidification 1970-1971, 1978-1983. Can. Data Rep. Fish. Aquat. Sci. 472: iv + 49 p.

TABLE OF CONTENTS

	Page
ABSTRACT/RESUME	iv
INTRODUCTION	1
METHODS AND MATERIALS	1
RESULTS	1
ACKNOWLEDGMENTS	2
REFERENCES	2
APPENDIX	47

LIST OF TABLES

Table		Page
1	Crustacean species identified from Lake 114 during the periods 1970-1971 and 1978-1983	3
2	Rotifer species identified from Lake 114 during the periods 1970-1971 and 1978-1983	4
3	Mean and range of pH in Lake 114 in the ice-free seasons of 1971 and 1978-1983	5
4	Epilimnetic temperatures in Lake 114	6
5	Densities of zooplankton species of life stages expressed as individuals m^{-3} on each sampling date for the years 1970-1971 and 1978-1983	
	a) Cladocera	9
	b) Calanoid adults	13
	c) Calanoid nauplii	15
	d) Calanoid copepodids	18
	e) Cyclopoid adults	21
	f) Cyclopoid nauplii	24
	g) Cyclopoid copepodids	27
	h) Rotifera	33

ABSTRACT

Lawrence, S.G., M. MacIver, and I.L. Delbaere. 1984. Species composition and seasonal abundance of zooplankton in Lake 114, Experimental Lakes Area, northwestern Ontario: before and during acidification 1970-1971, 1978-1983. Can. Data Rep. Fish. Aquat. Sci. 472: iv + 49 p.

A list of zooplankton species and the densities of all but the rare species collected from the deepest station of Lake 114 in the Experimental Lakes Area, Ontario are presented for three periods: 1970-1971, before the watershed was logged, the ice free season in 1978 after logging operations were terminated, and for the experimental period, 1979-1983, during which the lake was subject to monthly additions of sulfuric acid during the ice-free season. Water temperature data and range and mean pH concentration of the epilimnion water are included.

Key words: zooplankton; acidification; Precambrian Shield lake; Cladocera; Copepoda; Rotifera.

RESUME

Lawrence, S.G., M. MacIver, and I.L. Delbaere. 1984. Species composition and seasonal abundance of zooplankton in Lake 114, Experimental Lakes Area, northwestern Ontario: before and during acidification 1970-1971, 1978-1983. Can. Data Rep. Fish. Aquat. Sci. 472: iv + 49 p.

Ce rapport donne la liste des espèces de zooplancton et la densité de chacune sauf des espèces rares trouvées à la plus grande profondeur de relevé du lac 114 de la Région des Lacs Expérimentaux de l'Ontario. Cette liste couvre trois périodes: de 1970 à 1971, avant qu'on ne fasse de la drave; en 1978, durant la saison où les cours d'eau sont libres de glace, après la drave; et de 1979 à 1983, période d'étude durant laquelle le lac fut l'objet d'additions mensuelles d'acide sulphurique pendant qu'il était libre de glace. Ce rapport présente également des données sur la température de l'eau, les écarts de celle-ci, ainsi que l'acidité moyenne de l'épilimnion.

Mots-clés: zooplancton, acidification, lac du Bouclier canadien, cladocères, copépodes, rotifères.

INTRODUCTION

Lake 114 is a shallow, oligotrophic lake located in the Experimental Lakes Area of northwestern Ontario (Brunskill and Schindler 1971). It has been artificially acidified from mid-1979 to the present. Additions of known quantities of sulfuric acid were intended to mimic addition of acid through rain, and were equivalent to lowering the pH of precipitation reaching the lake by one unit (Schindler 1980). Schindler and Turner (1982) have described the sulfur budget of the lake.

The lake is 12.1 ha in area. The drainage area is 45 ha. The maximum and mean depths are 5.0 and 1.7 m respectively (Brunskill and Schindler 1971). The lake has contained large populations of fathead minnows and pearl dace throughout the period of investigation. Fathead minnows have been commercially fished from before the period of study to the present.

This report presents a species list and abundances of zooplankton as individuals per cubic meter from a single station in the deepest part of the lake for the years 1970-1971 and 1978-1983. Densities for rare forms (fewer than 500 individuals per m^{-3} and seen at irregular intervals) are not reported, but all species identified in the samples are listed in Tables 1 and 2, and the remaining data are on file in the Freshwater Institute.

METHODS AND MATERIALS

In each addition of acid, 33.6 L of concentrated sulfuric acid were mixed into the surface waters of the lake (Cruikshank 1984a). Four additions were made in 1979, seven in 1980, and six in each year from 1981-1983. These additions were made during the ice free season, May-October (July-October in 1979), at approximately monthly intervals. Lake water samples for analyses of heavy metals, major ions, pH, C, N, and P in various forms, and conductivity were taken on a regular basis, usually on or about the zooplankton sampling date. Phytoplankton samples were taken and analyzed. These data are on file at the Freshwater Institute. Detailed temperature profile data for this lake are found in Cruikshank (1984b).

The depth of the water column varied subject to the amount of runoff in the spring and to subsequent rainfall. The maximum depth of the water column at the station sampled was 5 m, the minimum 3.5 m.

Zooplankton samples were taken in two ways. During 1970-1971, the water column was sampled in a discontinuous manner at one meter intervals using a 28.7 L capacity Schindler-Patalas trap equipped with a 73µ mesh Nitex filter (Schindler 1969). The samples were taken at the midpoint of each interval. In the summer (June-August), a sample taken from the surface to 1 m interval was combined with that taken in the next interval. Likewise, the samples taken from the third and fourth intervals were combined. In other samples taken during this period, zooplankton from all intervals were combined into one sample for the date. In 1978, a barrel net (mouth diameter 0.125 m) equipped with a 53µ Nitex net (Chang et al. 1981) was pulled vertically three times through the water column so that for each meter of water column, the sampler filtered 37 L of lake water. From 1979-1983, a two barrel sampler (mouth diameter 0.129 m) equipped with 53µ Nitex mesh nets were pulled two times vertically through the water column. For each meter of water, 52 L of lake water were filtered by both nets. Rarely, the lake was thermally stratified. On those occasions, the layers of the column were collected and counted separately. Here, all data is reported as a composite of the layers of the water column. All samples were preserved in formalin in the field. Final formalin concentration was 4%. In the laboracory, all samples were reduced to a known volume (40, rarely 90 mL) depending on the density of the zooplankton.

The zooplankton from two or more 1 mL subsamples were counted using a Sedgwick-Rafter counting chamber and a binocular microscope. Adult copepods, cladocerans, and where possible, rotifers were identified to species. Immature copepods were assigned as calanoid or cyclopoid and were identified to naupliar or copepodid stage. Eggs per female were recorded but are not reported here.

Identifications were made using Ward and Whipple (1959) and Brooks (1957) for crustaceans and Chengaleth et al. (1971), Ruttner-Kolisko (1974), Stemberger (1979) and Ward and Whipple (1959) for rotifers.

In order to determine whether counting less than 10% of the sample volume provides representative data on organisms present at low density, Chang et al. (1981) compared densities calculated from two or three 1 mL aliquots of a 40 mL sample with densities obtained from counting 10 1 mL aliquots of the sample. All 10 aliquots were removed before any counted aliquots were returned to the sample. For comparison with the densities (individuals per cubic meter of lake water) calculated from the original two or three counts, three densities were calculated from the 10 recounts: one based on all 10 counts, one on the lowest two counts and one on the highest two counts. The lowest two counts and highest two counts give an estimate of range of densites which could be obtained by counting only two or three aliquots from a sample. These data are reproduced here with permission.

RESULTS

The crustacean species identified from Lake 114 and their average relative abundance during ice-free seaosns in 1971, 1978-1983 are listed in Table 1. Rotifer species during the same periods appear in Table 2.

Table 3 presents the ice-free season mean and range of pH. Table 4 is a list of epilimnetic temperatures of the lake throughout the years of sampling. Densities of individual zooplankton species or life stages expressed as

individuals m^{-3} on each sampling date and the depth of the water column sampled are presented in Table 5. D. Malley (personal communication, Freshwater Institute) compared the two sampling methods described here but the data obtained were inconclusive. Comparisons of data obtained during 1970-1971 with that obtained later should be made with the differences in methods in mind.

Appendix 1 compares the densities calculated after recounting 10 1 mL aliquots of Lake 223 zooplankton samples with the densities based on the original two or three 1 mL aliquots. The densities based on the original two or three 1 mL aliquots with rare exceptions fall between the lowest and highest recounts. The densities based on the lowest pair of recounts and on the highest may vary by as much as three-fold when densities are low. The proportional disagreement between recounts for species more abundant than 5 000 m^{-3} is considerably less. In the latter case, the densities based on the highest pair are within 50% of the lowest pair. Zeros based on two or three 1 mL aliquots do not necessarily indicate absence of the organism, rather they indicate densities lower than about 500 m^{-3}.

ACKNOWLEDGMENTS

Physical, chemical and zooplankton samples were taken by members of the Experimental Lakes Area field crews directed by J. Penny and D. Cruikshank. J. Prokopowich and G. Linsey made the pH measurements.

REFERENCES

BROOKS, J.L. 1957. The systematics of North American Daphnia. Mem. Conn. Acad. Arts Sci. 13: I-180.

BRUNSKILL, G.J., and D.W. SCHINDLER. 1971. Geography and bathymetry of selected lake basins, Experimental Lakes Area, northwestern Ontario. J. Fish. Res. Board Can. 28: 139-155.

CHANG, P.S.S., D.F. MALLEY, I.L. DELBAERE, and G. MUELLER. 1981. Species composition and seasonal abundance of zooplankton in Lake 223, Experimental Lakes Area, northwestern Ontario, before and during acidification, 1974-1979. Can. Data Rep. Fish. Aquat. Sci. 290: iv + 42 p.

CHENGALETH, R., C.H. FERNANDO, and M.G. GEORGE. 1971. The planktonic Rotifera of Ontario with keys to genera and species. Univ. Waterloo Biol. Ser. 2: 40 p.

CRUIKSHANK, D.R. 1984a. Whole lake chemical additions in the Experimental Lakes Area, 1969-1983. Can. Data Rep. Fish. Aquat. Sci. 449: iv + 23 p.

CRUIKSHANK, D.R. 1984b. The relationship of summer thermocline depth to several physical characteristics of lakes. Can. Tech. Rep. Fish. Aquat. Sci. 1248: iv + 33 p.

RUTTNER-KOLISKO, A. 1974. Plankton rotifers: biology and taxonomy (translated by G. Kolisko). Binnengewasser 26(1): 1-146.

SCHINDLER, D.W. 1969. Two useful devices for vertical plankton and water sampling. J. Fish. Res. Board Can. 26: 1948-1955.

SCHINDLER, D.W. 1980. Ecological effects of experimental whole-lake acidification, p. 453-464. In D. Shriner, C. Richmond and C. Lindberg (ed.) Atmospheric sulfur deposition. Ann Arbor Science Publishers, Ann Arbor, MI.

SCHINDLER, D.W. and M.A. TURNER. 1982. Biological, chemical and physical responses of lakes to experimental acidification. Water Air Soil Pollut. 18: 259-271.

STEMBERGER, R.S. 1979. A guide to rotifers of the Laurentian Great Lakes. U.S. Environ. Prot. Agency EPA-600/4-79-021: xii + 186 p.

WARD, H.B., and G.C. WHIPPLE. 1959. Freshwater biology. 2nd ed. W.T. Edmondson (ed.) John Wiley and Sons, New York. 1248 p.

Table 1. Crustacean species identified from Lake 114 during the periods 1970-1971 and 1978-1983. A + indicates that a species was present on average during the time from ice-out to a fall water temperature of 10-12°C in numbers <1 000 m^{-3}, ++ indicates 1 000-10 000 and +++ indicates >10 000. A - indicates that the organism was not found in the subsamples.

Species	1971	1978	1979	1980	1981	1982	1983
CLADOCERA							
Alonella acutirostris (Birge)	+	-	-	-	-	-	-
Bosmina longirostris (Muller)	+++	++	++	+++	+	++	++
Chydorus sphaericus (Muller)	+	-	+	-	-	+	-
*Daphnia catawba**	-	-	-	-	-	+	+
Drepanothrix dentata (Euren)	-	+	-	-	-	-	-
Diaphanosoma brachyurum (Lieven)	++	++	++	++	+	+	++
Holopedium gibberum Zaddach	++	++	++	++	++	+	++
COPEPODA							
Calanoida							
Diaptomus minutus Lillj.	++	++	++	++	++	++	++
Epischura lacustris Forbes	+	+	+	+	+	+	+
Epischura nevadensis Lillj.	-	-	-	-	-	+	+
Calanoid nauplii	+++	+++	+++	+++	+++	+++	+++
Calanoid copepodids	++	+++	++	++	++	+++	+++
Cyclopoida							
Cyclops bicuspidatus thomasi (Forbes)	+	-	+	+	+	+	+
Cyclops vernalis Fischer	-	-	+	-	-	-	+
Mesocyclops edax (Forbes)	+	++	+	+	++	+	+
Orthocyclops modestus (Herrick)	+	+	-	+	-	+	-
Tropocyclops prasinus mexicanus Kiefer	++	++	++	++	++	+	++
Cyclopoid nauplii	+++	+++	+++	+++	+++	+++	+++
Cyclopoid copepodids	+++	+++	+++	++	++	++	++

*This population deviates from the classical description in Brooks (1957). The final designation awaits taxonomic revision (W. Geiling, personal communication).

Table 2. Rotifer species identified from Lake 114 during the periods 1970-1971 and 1978-1983. A + indicates a species or genus was present on average during the time from ice-out to a fall water temperature of 10-12°C in numbers <10 000 individuals m^{-3}, ++ indicates 10 000- 50 000, and +++ >50 000. A - indicates the organism was not seen.

Species	1971	1978	1979	1980	1981	1982	1983
Ascomorpha sp.	+	+	-	-	+	+	+
Asplanchna sp.	+	+	+	+	+	+	+
Brachionus quadridentatus (Hermann)	-	+	+	+	-	-	-
Cephalodella sp.	+	+	+	+	+	+	+
Colletheca sp.	++	+++	+++	++	++	++	+++
Colurella sp.	+	+	-	+	+	+	+
Conochilis sp.	+	+	+	+	+	+	+
Conochiloides sp.	+	+	++	-	++	++	++
Euchlanus sp.	-	+	-	-	+	+	-
Filinia longispina (Ehrbg.)	+	+	+	-	+	+	+
Gastropus stylifer (Imhof)	+++	+	+	+	+	+	++
Kellicottia bostoniensis (Rousselet)	++	++	++	+	+	+	+
Kel. longispina (Kellicott)	++	++	+	+++	++	++	++
Keratella cochlearis (Gosse)	+++	++	++	++	++	+	+++
K. cochlearis f. robusta (Lauterborn)	+	+	+	-	-	+	-
K. hiemalis Carlin	++	+	+	+	+	+	+
K. quadrata (Muller)	-	-	-	-	-	+	-
K. serrulata (Ehrbg.)	-	-	-	-	+	-	-
K. taurocephala (Myers)	+++	+	+++	++	++	++	+++
K. testudo (Ehrbg.) Carlin	-	-	-	-	-	+	-
Lecane sp. (+Monostyla)	+	+	+	+	+	+	+
Lepadella sp.	+	+	+	+	+	+	+
Macrochaetus sp.	-	-	-	-	+	-	-
Monommata sp.	+	-	-	+	-	+	+
Notommata sp.	-	+	+	+	+	+	-
Ploesoma sp.	-	-	-	+	+	-	-
Polyarthra dolichoptera (Idelson)	++	-	-	-	-	+	+
P. euryptera (Wierzejski)	-	-	-	+	-	-	-
P. major (Burckhardt)	-	-	+	+	+	+	-
P. remata (Skorikow)	+++	+++	+	++	++	+	+++
P. vulgaris Carlin	+++	++	++	+++	++	++	+++
Rotaria sp.	+	+	+	+	-	+	+
Synchaeta sp.	+	+	+	+	-	+	+
Testudinella sp.	+	+	-	+	+	+	+
Trichocerca cylindrica (Imhof)	++	+	++	+	+	++	+
T. longiseta (Schrank)	-	-	-	+	+	-	-
T. rouseletti (Voigt)	+	-	-	-	-	-	-
Trichocerca sp.	+	+	+	+	+	+	+
Trichotria sp.	-	-	-	+	+	-	+
Trochosphaera solstitialis (Rousselet)	+	-	-	++	+	-	-
Other globular forms	+	++	+	+	+	-	+

Table 3. Mean and range of pH* in Lake 114 in the ice-free seasons of 1971 and 1978-1983.

Year	Mean	Range
Pre-acidification*		
1971	6.05	5.79-6.93
1978	6.19	5.79-6.52
During acidification**		
1979	5.82	5.50-6.38
1980	6.11	5.80-6.39
1981	6.05	5.67-5.50
1982	5.90	5.54-6.16
1983	5.94	5.47-6.50

* D.W. Schindler, Freshwater Institute, unpublished data.
** D.R. Cruikshank (1984a).

Table 4. Epilimnetic temperatures in L114.

Date	Temp °C	Date	Temp °C	Date	Temp °C
1970		Aug 20	20.79	1982	
Feb 25	1.85	Sep 17	15.36	May 17	11.78
		Oct 15	4.05	May 31	19.52
1971				Jun 14	16.46
May 31	12.01	1980		Jun 28	20.41
Jun 10	19.12	May 13	10.39	Jul 12	21.53
Jul 8	20.13	Jun 10	16.77	Jul 26	23.18
Aug 5	19.4	Jul 8	20.71	Aug 9	19.6
Sep 2	20.34	Aug 5	21.59	Aug 23	19.74
Oct 1	12.2	Sep 2	19.0	Sep 6	15.16
Oct 28	7.3	Sep 9	19.6	Sep 20	11.91
		Sep 30	10.62	Oct 4	9.34
1978		Oct 28	1.3		
May 15	13.22			1983	
May 29	21.43	1981		May 9	9.9
Jun 12	15.2	May 6	12.52	May 16	9.35
Jun 26	20.83	May 11	12.61	Jun 6	14.5
Jul 10	20.89	May 25	15.4	Jun 13	20.54
Jul 24	21.3	Jun 8	19.21	Jun 20	19.54
Aug 7	20.29	Jun 22	17.56	Jul 4	18.6
Aug 21	18.83	Jul 6	24.66	Jul 11	22.6
Sep 4	19.57	Jul 20	24.47	Aug 8	23.3
Sep 18	12.58	Aug 3	22.66	Aug 15	22.7
Oct 2	11.63	Aug 17	21.04	Aug 29	22.4
		Aug 31	21.98	Sep 5	20.65
1979		Sep 14	18.32	Sep 12	15.0
May 28	16.72	Sep 28	10.35	Sep 26	9.8
Jun 25	18.88	Oct 12	8.64	Oct 3	11.4
Jul 23	23.23	Oct 26	1.86	Oct 17	5.0

Table 5. Densities of zooplankton species of life stages expressed as individuals m^{-3} on each sampling date for the years 1970-1971 and 1978-1983. The depth (m) of the samples column is included. Zeros indicate no animals were seen in the subsamples.

a. Cladocera

Bosmina longirostris

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	2787
Sep 9	4	0
Sep 18	4	0
Sep 26	4	348
Oct 1	4	348
Oct 17	4	174
Oct 24	4	348
Nov 7	4	174
Dec 5	4	174
1971		
Jan 9	4	348
Feb 24	4	871
Mar 30	4	1220
Apr 27	4	871
May 11	4	5749
May 25	4	19861
Jun 8	4	33449
Jun 25	4	9756
Jul 8	4	3484
Jul 22	4	6272
Aug 5	4	0
Aug 26	4	7666
Sep 2	4	50174
Sep 25	4	54355
1978		
May 22	3.7	2792
Jun 12	4	4878
Jul 10	4	9755
Jul 31	4	2008
Aug 31	4	4878
Sep 11	4	1722
1979		
May 28	4	215
Jun 25	5	172
Jul 9	4	0
Jul 23	3.75	459
Aug 6	4.75	1812
Aug 20	5	4648
Sep 6	4.5	30796
Sep 17	4.75	38780
Oct 15	4	4973
1980		
May 15	4	0
Jun 9	4.5	382
Jun 16	4.5	0
Jul 7	4	861
Jul 14	4.5	2869
Jul 21	4	127178
Jul 28	4.5	24675
Aug 4	4	2152
Aug 11	4	1076
Aug 18	4.5	382
Aug 25	4.5	1913
Sep 1	4.5	2295
Sep 8	4	382
Sep 15	4	10999
Sep 22	4	2678
Sep 29	4	1148
Oct 6	4	574
Oct 13	4	574
Oct 20	4	382
Oct 26	4	0
Dec 9	4	382
1981		
Jan 13	4	574
Feb 10	4	0
Mar 17	4	0
May 11	4	956
May 25	4	96
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	215
Aug 3	4	215
Aug 18	4	478
Aug 31	4	765
Sep 14	4	1530
Sep 28	4	1722
Oct 12	4	861
1982		
Jan 13	4	478
Mar 8	4	765
May 17	5	765
May 31	3	3441
Jun 14	4	574
Jun 28	4	956
Jul 12	4	1243
Jul 26	4	861
Aug 9	3	379
Aug 23	4	3730
Sep 6	3	2423
Sep 20	4	1148
Oct 4	4	382
Oct 18	4	1243
1983		
Mar 16	4	191
May 6	4	12720
May 16	3.75	204
Jun 13	4	3347
Jun 20	4	1435
Jul 4	4	9899
Jul 11	4	5738
Jul 18	3.5	874
Aug 1	4	2582
Aug 8	3.5	656
Aug 15	4	382
Aug 29	4.5	85
Sep 12	3.5	219
Sep 26	3.5	219
Oct 3	4	96
Oct 17	4	191
Dec 13	4	2391

Chydorus sphaericus

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	348
Sep 9	4	697
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	348
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	1045
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	2066
Aug 6	4.75	1268
Aug 20	5	689
Sep 6	4.5	382
Sep 17	4.75	181
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	96
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	96
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	95
Jun 20	4	0
Jul 4	4	215
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Diaphanosoma brachyurum

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	697
Sep 18	4	1742
Sep 26	4	1045
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	1045
Jul 8	4	6969
Jul 22	4	11150
Aug 5	4	16725
Aug 26	4	2265
Sep 2	4	1220
Sep 25	4	0
1978		
May 22	3.7	310
Jun 12	4	1435
Jul 10	4	2869
Jul 31	4	5164
Aug 31	4	2295
Sep 11	4	2008
1979		
May 28	4	0
Jun 25	5	516
Jul 9	4	7316
Jul 23	3.75	7345
Aug 6	4.75	12504
Aug 20	5	1722
Sep 6	4.5	956
Sep 17	4.75	725
Oct 15	4	0
1980		
May 15	4	646
Jun 9	4.5	1148
Jun 16	4.5	765
Jul 7	4	4089
Jul 14	4.5	8799
Jul 21	4	9899
Jul 28	4.5	382
Aug 4	4	861
Aug 11	4	1937
Aug 18	4.5	1913
Aug 25	4.5	0
Sep 1	4.5	1148
Sep 8	4	191
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	382
May 25	4	96
Jun 8	4	287
Jun 22	4	1291
Jul 6	4	4112
Jul 20	4	3658
Aug 3	4	1076
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	382
May 31	3	382
Jun 14	4	96
Jun 28	4	478
Jul 12	4	956
Jul 26	4	3156
Aug 9	3	1918
Aug 23	4	2200
Sep 6	3	255
Sep 20	4	0
Oct 4	4	382
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	1243
May 16	3.75	0
Jun 13	4	861
Jun 20	4	1530
Jul 4	4	13772
Jul 11	4	11668
Jul 18	3.5	7214
Aug 1	4	11955
Aug 8	3.5	15412
Aug 15	4	1435
Aug 29	4.5	765
Sep 12	3.5	437
Sep 26	3.5	0
Oct 3	4	382
Oct 17	4	0
Dec 13	4	0

Holopedium gibberum

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	1045
Sep 9	4	697
Sep 18	4	3833
Sep 26	4	3136
Oct 1	4	1916
Oct 17	4	2090
Oct 24	4	1220
Nov 7	4	697
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	1220
May 25	4	2439
Jun 8	4	11498
Jun 25	4	5923
Jul 8	4	348
Jul 22	4	0
Aug 5	4	0
Aug 26	4	523
Sep 2	4	1394
Sep 25	4	5749
1978		
May 22	3.7	620
Jun 12	4	287
Jul 10	4	861
Jul 31	4	0
Aug 21	4	3156
Sep 11	4	1435
1979		
May 28	4	3658
Jun 25	5	861
Jul 9	4	0
Jul 23	3.75	1377
Aug 6	4.75	1268
Aug 20	5	516
Sep 6	4.5	3060
Sep 17	4.75	2356
Oct 15	4	2295
1980		
May 15	4	3015
Jun 9	4.5	956
Jun 16	4.5	382
Jul 7	4	0
Jul 14	4.5	191
Jul 21	4	7316
Jul 28	4.5	574
Aug 4	4	430
Aug 11	4	430
Aug 18	4.5	574
Aug 25	4.5	956
Sep 1	4.5	765
Sep 8	4	96
Sep 15	4	96
Sep 22	4	1435
Sep 29	4	96
Oct 6	4	191
Oct 13	4	1148
Oct 20	4	382
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	574
May 25	4	3634
Jun 8	4	1817
Jun 22	4	4734
Jul 6	4	6695
Jul 20	4	20084
Aug 3	4	3228
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	96
May 31	3	126
Jun 14	4	96
Jun 28	4	0
Jul 12	4	96
Jul 26	4	287
Aug 9	3	0
Aug 23	4	382
Sep 6	3	382
Sep 20	4	956
Oct 4	4	96
Oct 18	4	765
1983		
Mar 16	4	0
May 6	4	11477
May 16	3.75	204
Jun 13	4	575
Jun 20	4	2200
Jul 4	4	9684
Jul 11	4	6982
Jul 18	3.5	656
Aug 1	4	0
Aug 8	3.5	2842
Aug 15	4	382
Aug 29	4.5	1105
Sep 12	3.5	109
Sep 26	3.5	0
Oct 3	4	382
Oct 17	4	96
Dec 13	4	0

b. Calanoid adults

c. Calanoid nauplii

d. Calanoid copepodids

e. Cyclopoid adults

f. Cyclopoid nauplii

g. Cyclopoid copepodids

Diaptomus minutus, female

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	1045
Sep 9	4	3484
Sep 18	4	348
Sep 26	4	1045
Oct 1	4	697
Oct 17	4	1568
Oct 24	4	174
Nov 7	4	0
Dec 5	4	1220
1971		
Jan 9	4	9930
Feb 24	4	4530
Mar 30	4	14112
Apr 27	4	1742
May 11	4	1742
May 25	4	2439
Jun 8	4	697
Jun 25	4	2439
Jul 8	4	5226
Jul 22	4	1394
Aug 5	4	7666
Aug 26	4	4355
Sep 2	4	5575
Sep 25	4	3484
1978		
May 22	3.7	0
Jun 12	4	7173
Jul 10	4	5738
Jul 31	4	5164
Aug 31	4	2008
Sep 11	4	861
1979		
May 28	4	861
Jun 25	5	3960
Jul 9	4	9253
Jul 23	3.75	7804
Aug 6	4.75	6524
Aug 20	5	1722
Sep 6	4.5	4208
Sep 17	4.75	1268
Oct 15	4	3156
1980		
May 15	4	430
Jun 9	4.5	6312
Jun 16	4.5	1339
Jul 7	4	13772
Jul 14	4.5	4782
Jul 21	4	9038
Jul 28	4.5	6504
Aug 4	4	5595
Aug 11	4	1506
Aug 18	4.5	3060
Aug 25	4.5	3443
Sep 1	4.5	1339
Sep 8	4	956
Sep 15	4	1722
Sep 22	4	4591
Sep 29	4	2104
Oct 6	4	382
Oct 13	4	5547
Oct 20	4	3539
Oct 26	4	574
Dec 9	4	1243
1981		
Jan 13	4	1148
Feb 10	4	3443
Mar 17	4	478
May 11	4	0
May 25	4	3252
Jun 8	4	1817
Jun 22	4	6025
Jul 6	4	2391
Jul 20	4	1745
Aug 3	4	1722
Aug 18	4	1913
Aug 31	4	382
Sep 14	4	2295
Sep 28	4	2367
Oct 12	4	0
1982		
Jan 13	4	20658
Mar 8	4	574
May 17	5	1530
May 31	3	893
Jun 14	4	574
Jun 28	4	1148
Jul 12	4	3156
Jul 26	4	3347
Aug 9	3	6882
Aug 23	4	4112
Sep 6	3	2933
Sep 20	4	1243
Oct 4	4	1339
Oct 18	4	1913
1983		
Mar 16	4	5164
May 6	4	0
May 16	3.75	612
Jun 13	4	0
Jun 20	4	669
Jul 4	4	23886
Jul 11	4	14824
Jul 18	3.5	8526
Aug 1	4	5834
Aug 8	3.5	12351
Aug 15	4	3060
Aug 29	4.5	2465
Sep 12	3.5	656
Sep 26	3.5	1202
Oct 3	4	6599
Oct 17	4	5738
Dec 13	4	2774

Diaptomus minutus, male

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	348
Sep 9	4	0
Sep 18	4	1394
Sep 26	4	348
Oct 1	4	2090
Oct 17	4	1220
Oct 24	4	697
Nov 7	4	348
Dec 5	4	2090
1971		
Jan 9	4	8711
Feb 24	4	4007
Mar 30	4	9408
Apr 27	4	1916
May 11	4	523
May 25	4	697
Jun 8	4	1045
Jun 25	4	1742
Jul 8	4	2787
Jul 22	4	2439
Aug 5	4	7317
Aug 26	4	5923
Sep 2	4	4355
Sep 25	4	2265
1978		
May 22	3.7	0
Jun 12	4	5451
Jul 10	4	4591
Jul 31	4	2008
Aug 21	4	2008
Sep 11	4	2295
1979		
May 28	4	430
Jun 25	5	1894
Jul 9	4	2582
Jul 23	3.75	10100
Aug 6	4.75	5255
Aug 20	5	1549
Sep 6	4.5	3826
Sep 17	4.75	906
Oct 15	4	6312
1980		
May 15	4	430
Jun 9	4.5	4782
Jun 16	4.5	1148
Jul 7	4	7532
Jul 14	4.5	956
Jul 21	4	0
Jul 28	4.5	5547
Aug 4	4	3873
Aug 11	4	2797
Aug 18	4.5	1339
Aug 25	4.5	2295
Sep 1	4.5	1148
Sep 8	4	669
Sep 15	4	2582
Sep 22	4	3252
Sep 29	4	669
Oct 6	4	861
Oct 13	4	5834
Oct 20	4	4591
Oct 26	4	1243
Dec 9	4	669
1981		
Jan 13	4	765
Feb 10	4	2487
Mar 17	4	191
May 11	4	0
May 25	4	2774
Jun 8	4	2295
Jun 22	4	6025
Jul 6	4	1052
Jul 20	4	574
Aug 3	4	430
Aug 18	4	2104
Aug 31	4	287
Sep 14	4	956
Sep 28	4	1291
Oct 12	4	287
1982		
Jan 13	4	17406
Mar 8	4	1243
May 17	5	3634
May 31	3	891
Jun 14	4	574
Jun 28	4	956
Jul 12	4	2391
Jul 26	4	4304
Aug 9	3	9508
Aug 23	4	4017
Sep 6	3	5611
Sep 20	4	2104
Oct 4	4	1722
Oct 18	4	765
1983		
Mar 16	4	3634
May 6	4	0
May 16	3.75	1020
Jun 13	4	95
Jun 20	4	478
Jul 4	4	19582
Jul 11	4	9086
Jul 18	3.5	5684
Aug 1	4	1817
Aug 8	3.5	9728
Aug 15	4	1913
Aug 29	4.5	5441
Sep 12	3.5	2514
Sep 26	3.5	3279
Oct 3	4	9660
Oct 17	4	8225
Dec 13	4	2200

Epischura lacustris, female

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	1392
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	1148
Jul 10	4	0
Jul 31	4	287
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	344
Jul 9	4	0
Jul 23	3.75	230
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	191
Sep 17	4.75	181
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	382
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	96
Sep 29	4	96
Oct 6	4	0
Oct 13	4	96
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	765
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	191
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	96
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	96
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	96
Oct 17	4	382
Dec 13	4	0

Epischura lacustris, male

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	287
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	516
Jul 9	4	0
Jul 23	3.75	230
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	96
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	215
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	382
Oct 20	4	96
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	96
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	191
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	96
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	191
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	287
Oct 17	4	191
Dec 13	4	0

Calanoida N1

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	2787
Sep 18	4	1394
Sep 26	4	697
Oct 1	4	174
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	348
Feb 24	4	1045
Mar 30	4	1742
Apr 27	4	11847
May 11	4	12892
May 25	4	2787
Jun 8	4	1045
Jun 25	4	10104
Jul 8	4	3136
Jul 22	4	0
Aug 5	4	697
Aug 26	4	523
Sep 2	4	1742
Sep 25	4	871
1978		
May 22	3.7	4342
Jun 12	4	7747
Jul 10	4	5451
Jul 31	4	5164
Aug 31	4	3156
Sep 11	4	4591
1979		
May 28	4	6456
Jun 25	5	3099
Jul 9	4	430
Jul 23	3.75	3214
Aug 6	4.75	2899
Aug 20	5	516
Sep 6	4.5	1913
Sep 17	4.75	181
Oct 15	4	191
1980		
May 15	4	2528
Jun 9	4.5	5738
Jun 16	4.5	1148
Jul 7	4	9899
Jul 14	4.5	5738
Jul 21	4	4949
Jul 28	4.5	12242
Aug 4	4	8392
Aug 11	4	5380
Aug 18	4.5	5930
Aug 25	4.5	9946
Sep 1	4.5	4973
Sep 8	4	3252
Sep 15	4	2391
Sep 22	4	3443
Sep 29	4	1435
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	96
1981		
Jan 13	4	0
Feb 10	4	191
Mar 17	4	1243
May 11	4	956
May 25	4	1722
Jun 8	4	6599
Jun 22	4	20013
Jul 6	4	3634
Jul 20	4	2343
Aug 3	4	2367
Aug 18	4	478
Aug 31	4	191
Sep 14	4	2008
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	191
Mar 8	4	956
May 17	5	7938
May 31	3	759
Jun 14	4	669
Jun 28	4	4495
Jul 12	4	3060
Jul 26	4	765
Aug 9	3	3443
Aug 23	4	1530
Sep 6	3	3316
Sep 20	4	669
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	1052
May 6	4	574
May 16	3.75	1836
Jun 13	4	1148
Jun 20	4	2582
Jul 4	4	15278
Jul 11	4	4112
Jul 18	3.5	2186
Aug 1	4	2678
Aug 8	3.5	5465
Aug 15	4	4017
Aug 29	4.5	3316
Sep 12	3.5	5137
Sep 26	3.5	874
Oct 3	4	478
Oct 17	4	0
Dec 13	4	96

Calanoida N2

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	697
Sep 9	4	1374
Sep 18	4	348
Sep 26	4	1742
Oct 1	4	1045
Oct 17	4	348
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	1394
Mar 30	4	1568
Apr 27	4	8711
May 11	4	18467
May 25	4	3833
Jun 8	4	697
Jun 25	4	20557
Jul 8	4	7317
Jul 22	4	5226
Aug 5	4	3136
Aug 26	4	697
Sep 2	4	2613
Sep 25	4	2613
1978		
May 22	3.7	5273
Jun 12	4	6312
Jul 10	4	3156
Jul 31	4	3156
Aug 21	4	1148
Sep 11	4	3156
1979		
May 28	4	7962
Jun 25	5	2066
Jul 9	4	215
Jul 23	3.75	2525
Aug 6	4.75	1268
Aug 20	5	861
Sep 6	4.5	1722
Sep 17	4.75	1087
Oct 15	4	96.
1980		
May 15	4	7316
Jun 9	4.5	2295
Jun 16	4.5	2295
Jul 7	4	10760
Jul 14	4.5	5356
Jul 21	4	11190
Jul 28	4.5	8990
Aug 4	4	17430
Aug 11	4	9038
Aug 18	4.5	6312
Aug 25	4.5	2678
Sep 1	4.5	7077
Sep 8	4	3252
Sep 15	4	7747
Sep 22	4	5738
Sep 29	4	1435
Oct 6	4	669
Oct 13	4	96
Oct 20	4	191
Oct 26	4	96
Dec 9	4	191
1981		
Jan 13	4	0
Feb 10	4	287
Mar 17	4	2200
May 11	4	2774
May 25	4	1817
Jun 8	4	5547
Jun 22	4	20228
Jul 6	4	3443
Jul 20	4	1578
Aug 3	4	1076
Aug 18	4	1817
Aug 31	4	574
Sep 14	4	1435
Sep 28	4	1506
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	765
May 17	5	11381
May 31	3	1278
Jun 14	4	861
Jun 28	4	5930
Jul 12	4	2582
Jul 26	4	1052
Aug 9	3	3181
Aug 23	4	1435
Sep 6	3	3443
Sep 20	4	669
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	287
May 6	4	4208
May 16	3.75	4387
Jun 13	4	2008
Jun 20	4	4973
Jul 4	4	17646
Jul 11	4	7842
Jul 18	3.5	2295
Aug 1	4	3060
Aug 8	3.5	3498
Aug 15	4	2965
Aug 29	4.5	2380
Sep 12	3.5	4919
Sep 26	3.5	1967
Oct 3	4	1148
Oct 17	4	96
Dec 13	4	191

Calanoida N3

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	697
Sep 9	4	1394
Sep 18	4	697
Sep 26	4	2090
Oct 1	4	1394
Oct 17	4	1045
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	523
Mar 30	4	1045
Apr 27	4	8885
May 11	4	28920
May 25	4	9408
Jun 8	4	2439
Jun 25	4	35192
Jul 8	4	15331
Jul 22	4	6969
Aug 5	4	3136
Aug 26	4	3484
Sep 2	4	2787
Sep 25	4	3658
1978		
May 22	3.7	9306
Jun 12	4	5164
Jul 10	4	6025
Jul 31	4	14346
Aug 31	4	8321
Sep 11	4	7460
1979		
May 28	4	17340
Jun 25	5	3787
Jul 9	4	3658
Jul 23	3.75	8258
Aug 6	4.75	6886
Aug 20	5	1722
Sep 6	4.5	6121
Sep 17	4.75	2174
Oct 15	4	382
1980		
May 15	4	23456
Jun 9	4.5	3634
Jun 16	4.5	4399
Jul 7	4	14848
Jul 14	4.5	9564
Jul 21	4	11190
Jul 28	4.5	7269
Aug 4	4	15494
Aug 11	4	10114
Aug 18	4.5	7651
Aug 25	4.5	2487
Sep 1	4.5	7077
Sep 8	4	3634
Sep 15	4	11094
Sep 22	4	10903
Sep 29	4	5069
Oct 6	4	2391
Oct 13	4	1530
Oct 20	4	287
Oct 26	4	96
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	382
May 11	4	4591
May 25	4	1530
Jun 8	4	4591
Jun 22	4	22595
Jul 6	4	8894
Jul 20	4	5595
Aug 3	4	2152
Aug 18	4	2678
Aug 31	4	1052
Sep 14	4	2008
Sep 28	4	4089
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	191
May 17	5	33283
May 31	3	7785
Jun 14	4	1817
Jun 28	4	17024
Jul 12	4	5643
Jul 26	4	3443
Aug 9	3	5604
Aug 23	4	1817
Sep 6	3	2805
Sep 20	4	2391
Oct 4	4	287
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	9755
May 16	3.75	8263
Jun 13	4	2965
Jun 20	4	4591
Jul 4	4	57671
Jul 11	4	9373
Jul 18	3.5	15740
Aug 1	4	5643
Aug 8	3.5	5902
Aug 15	4	5164
Aug 29	4.5	7566
Sep 12	3.5	8307
Sep 26	3.5	2405
Oct 3	4	2391
Oct 17	4	287
Dec 13	4	0

Calanoida N4

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	1045
Sep 26	4	348
Oct 1	4	2439
Oct 17	4	1045
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	697
Mar 30	4	174
Apr 27	4	3310
May 11	4	14982
May 25	4	10453
Jun 8	4	0
Jun 25	4	13240
Jul 8	4	5575
Jul 22	4	1045
Aug 5	4	1045
Aug 26	4	2962
Sep 2	4	523
Sep 25	4	4704
1978		
May 22	3.7	8685
Jun 12	4	1453
Jul 10	4	2582
Jul 31	4	3730
Aug 21	4	3443
Sep 11	4	2582
1979		
May 28	4	6671
Jun 25	5	2410
Jul 9	4	1076
Jul 23	3.75	1607
Aug 6	4.75	2174
Aug 20	5	516
Sep 6	4.5	2487
Sep 17	4.75	1450
Oct 15	4	0
1980		
May 15	4	25823
Jun 9	4.5	2104
Jun 16	4.5	6121
Jul 7	4	4949
Jul 14	4.5	5164
Jul 21	4	3658
Jul 28	4.5	3252
Aug 4	4	5380
Aug 11	4	3013
Aug 18	4.5	2869
Aug 25	4.5	1148
Sep 1	4.5	2869
Sep 8	4	1722
Sep 15	4	5451
Sep 22	4	7173
Sep 29	4	2774
Oct 6	4	1817
Oct 13	4	1530
Oct 20	4	96
Oct 26	4	96
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	4208
May 25	4	1052
Jun 8	4	1339
Jun 22	4	10975
Jul 6	4	4017
Jul 20	4	2797
Aug 3	4	1076
Aug 18	4	1435
Aug 31	4	574
Sep 14	4	2104
Sep 28	4	2152
Oct 12	4	191
1982		
Jan 13	4	96
Mar 8	4	0
May 17	5	17502
May 31	3	8694
Jun 14	4	478
Jun 28	4	6504
Jul 12	4	1435
Jul 26	4	574
Aug 9	3	2167
Aug 23	4	669
Sep 6	3	1148
Sep 20	4	1530
Oct 4	4	287
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	5451
May 16	3.75	4897
Jun 13	4	382
Jun 20	4	574
Jul 4	4	28190
Jul 11	4	6695
Jul 18	3.5	8744
Aug 1	4	2104
Aug 8	3.5	3060
Aug 15	4	1913
Aug 29	4.5	5696
Sep 12	3.5	2732
Sep 26	3.5	2077
Oct 3	4	3347
Oct 17	4	1148
Dec 13	4	96

Calanoida N5

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	348
Sep 9	4	697
Sep 18	4	697
Sep 26	4	348
Oct 1	4	1045
Oct 17	4	1045
Oct 24	4	348
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	174
Feb 24	4	0
Mar 30	4	174
Apr 27	4	1916
May 11	4	5575
May 25	4	6969
Jun 8	4	697
Jun 25	4	3483
Jul 8	4	1742
Jul 22	4	1045
Aug 5	4	348
Aug 26	4	1045
Sep 2	4	697
Sep 25	4	4530
1978		
May 22	3.7	10236
Jun 12	4	1148
Jul 10	4	2008
Jul 31	4	1435
Aug 31	4	1722
Sep 11	4	2008
1979		
May 28	4	6240
Jun 25	5	0
Jul 9	4	1076
Jul 23	3.75	689
Aug 6	4.75	362
Aug 20	5	344
Sep 6	4.5	765
Sep 17	4.75	1087
Oct 15	4	478
1980		
May 15	4	20873
Jun 9	4.5	382
Jun 16	4.5	2295
Jul 7	4	3658
Jul 14	4.5	4591
Jul 21	4	1506
Jul 28	4.5	1530
Aug 4	4	8392
Aug 11	4	4304
Aug 18	4.5	1530
Aug 25	4.5	1148
Sep 1	4.5	3252
Sep 8	4	956
Sep 15	4	2965
Sep 22	4	4112
Sep 29	4	3060
Oct 6	4	1817
Oct 13	4	2487
Oct 20	4	478
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	4304
May 25	4	1435
Jun 8	4	1722
Jun 22	4	4949
Jul 6	4	3539
Jul 20	4	2726
Aug 3	4	1291
Aug 18	4	956
Aug 31	4	287
Sep 14	4	1722
Sep 28	4	5164
Oct 12	4	287
1982		
Jan 13	4	96
Mar 8	4	0
May 17	5	12146
May 31	3	9174
Jun 14	4	96
Jun 28	4	4686
Jul 12	4	191
Jul 26	4	669
Aug 9	3	889
Aug 23	4	1243
Sep 6	3	893
Sep 20	4	1626
Oct 4	4	96
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	6312
May 16	3.75	1836
Jun 13	4	95
Jun 20	4	95
Jul 4	4	18772
Jul 11	4	3921
Jul 18	3.5	4154
Aug 1	4	2104
Aug 8	3.5	1421
Aug 15	4	574
Aug 29	4.5	4081
Sep 12	3.5	2514
Sep 26	3.5	3716
Oct 3	4	2200
Oct 17	4	2008
Dec 13	4	0

Calanoida N6

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	348
Sep 26	4	0
Oct 1	4	697
Oct 17	4	2090
Oct 24	4	697
Nov 7	4	348
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	348
May 11	4	3658
May 25	4	15331
Jun 8	4	348
Jun 25	4	697
Jul 8	4	697
Jul 22	4	348
Aug 5	4	348
Aug 26	4	174
Sep 2	4	697
Sep 25	4	2787
1978		
May 22	3.7	14268
Jun 12	4	1722
Jul 10	4	1435
Jul 31	4	861
Aug 31	4	861
Sep 11	4	1435
1979		
May 28	4	5810
Jun 25	5	1205
Jul 9	4	1076
Jul 23	3.75	689
Aug 6	4.75	728
Aug 20	5	516
Sep 6	4.5	1148
Sep 17	4.75	1268
Oct 15	4	478
1980		
May 15	4	18291
Jun 9	4.5	0
Jun 16	4.5	1339
Jul 7	4	1937
Jul 14	4.5	3060
Jul 21	4	215
Jul 28	4.5	382
Aug 4	4	3443
Aug 11	4	2582
Aug 18	4.5	956
Aug 25	4.5	0
Sep 1	4.5	1913
Sep 8	4	861
Sep 15	4	1052
Sep 22	4	2582
Sep 29	4	2008
Oct 6	4	1339
Oct 13	4	2008
Oct 20	4	2200
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	5738
May 25	4	669
Jun 8	4	574
Jun 22	4	1937
Jul 6	4	1148
Jul 20	4	669
Aug 3	4	1076
Aug 18	4	96
Aug 31	4	191
Sep 14	4	2008
Sep 28	4	4089
Oct 12	4	478
1982		
Jan 13	4	96
Mar 8	4	0
May 17	5	8512
May 31	3	11838
Jun 14	4	191
Jun 28	4	2965
Jul 12	4	669
Jul 26	4	574
Aug 9	3	382
Aug 23	4	669
Sep 6	3	255
Sep 20	4	669
Oct 4	4	669
Oct 18	4	191
1983		
Mar 16	4	0
May 6	4	2965
May 16	3.75	2040
Jun 13	4	0
Jun 20	4	0
Jul 4	4	7101
Jul 11	4	2200
Jul 18	3.5	2186
Aug 1	4	2582
Aug 8	3.5	984
Aug 15	4	1052
Aug 29	4.5	2210
Sep 12	3.5	1421
Sep 26	3.5	1530
Oct 3	4	3443
Oct 17	4	2295
Dec 13	4	0

Calanoida C1

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	1045
Oct 1	4	174
Oct 17	4	523
Oct 24	4	697
Nov 7	4	697
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	871
May 25	4	11498
Jun 8	4	2090
Jun 25	4	0
Jul 8	4	348
Jul 22	4	2090
Aug 5	4	697
Aug 26	4	174
Sep 2	4	348
Sep 25	4	174
1978		
May 22	3.7	8065
Jun 12	4	2295
Jul 10	4	1722
Jul 31	4	574
Aug 31	4	0
Sep 11	4	574
1979		
May 28	4	215
Jun 25	5	0
Jul 9	4	861
Jul 23	3.75	918
Aug 6	4.75	725
Aug 20	5	0
Sep 6	4.5	765
Sep 17	4.75	181
Oct 15	4	95
1980		
May 15	4	10544
Jun 9	4.5	191
Jun 16	4.5	0
Jul 7	4	3013
Jul 14	4.5	765
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	646
Aug 11	4	430
Aug 18	4.5	1530
Aug 25	4.5	765
Sep 1	4.5	2487
Sep 8	4	191
Sep 15	4	478
Sep 22	4	669
Sep 29	4	669
Oct 6	4	956
Oct 13	4	861
Oct 20	4	574
Oct 26	4	478
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	4878
May 25	4	574
Jun 8	4	669
Jun 22	4	646
Jul 6	4	765
Jul 20	4	382
Aug 3	4	0
Aug 18	4	96
Aug 31	4	0
Sep 14	4	765
Sep 28	4	861
Oct 12	4	191
1982		
Jan 13	4	96
Mar 8	4	0
May 17	5	7842
May 31	3	18034
Jun 14	4	95
Jun 28	4	478
Jul 12	4	1913
Jul 26	4	478
Aug 9	3	0
Aug 23	4	1243
Sep 6	3	127
Sep 20	4	287
Oct 4	4	478
Oct 18	4	478
1983		
Mar 16	4	0
May 6	4	12624
May 16	3.75	102
Jun 13	4	478
Jun 20	4	0
Jul 4	4	10760
Jul 11	4	1817
Jul 18	3.5	2514
Aug 1	4	1626
Aug 8	3.5	1202
Aug 15	4	191
Aug 29	4.5	935
Sep 12	3.5	1312
Sep 26	3.5	328
Oct 3	4	1626
Oct 17	4	1817
Dec 13	4	382

Calanoida C2

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	697
Oct 1	4	174
Oct 17	4	697
Oct 24	4	174
Nov 7	4	1045
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	696
May 25	4	10453
Jun 8	4	3484
Jun 25	4	0
Jul 8	4	348
Jul 22	4	2439
Aug 5	4	4878
Aug 26	4	0
Sep 2	4	348
Sep 25	4	174
1978		
May 22	3.7	4032
Jun 12	4	3730
Jul 10	4	1148
Jul 31	4	1435
Aug 31	4	861
Sep 11	4	1435
1979		
May 28	4	861
Jun 25	5	516
Jul 9	4	0
Jul 23	3.75	2525
Aug 6	4.75	725
Aug 20	5	344
Sep 6	4.5	191
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	8823
Jun 9	4.5	191
Jun 16	4.5	0
Jul 7	4	2797
Jul 14	4.5	1339
Jul 21	4	1076
Jul 28	4.5	191
Aug 4	4	1722
Aug 11	4	1722
Aug 18	4.5	1530
Aug 25	4.5	574
Sep 1	4.5	1913
Sep 8	4	191
Sep 15	4	1148
Sep 22	4	1148
Sep 29	4	478
Oct 6	4	382
Oct 13	4	1243
Oct 20	4	861
Oct 26	4	478
Dec 9	4	96
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	3443
May 25	4	1913
Jun 8	4	669
Jun 22	4	430
Jul 6	4	574
Jul 20	4	598
Aug 3	4	215
Aug 18	4	478
Aug 31	4	96
Sep 14	4	1435
Sep 28	4	2367
Oct 12	4	96
1982		
Jan 13	4	287
Mar 8	4	0
May 17	5	1913
May 31	3	14499
Jun 14	4	191
Jun 28	4	287
Jul 12	4	5164
Jul 26	4	382
Aug 9	3	128
Aug 23	4	765
Sep 6	3	765
Sep 20	4	96
Oct 4	4	382
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	11668
May 16	3.75	0
Jun 13	4	2008
Jun 20	4	96
Jul 4	4	4949
Jul 11	4	4591
Jul 18	3.5	2186
Aug 1	4	1722
Aug 8	3.5	3716
Aug 15	4	96
Aug 29	4.5	340
Sep 12	3.5	2295
Sep 26	3.5	874
Oct 3	4	1148
Oct 17	4	2200
Dec 13	4	478

Calanoida C3

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	697
Sep 9	4	697
Sep 18	4	0
Sep 26	4	0
Oct 1	4	348
Oct 17	4	697
Oct 24	4	174
Nov 7	4	523
Dec 5	4	523
1971		
Jan 9	4	348
Feb 24	4	0
Mar 30	4	0
Apr 27	4	174
May 11	4	0
May 25	4	5226
Jun 8	4	2090
Jun 25	4	697
Jul 8	4	0
Jul 22	4	3484
Aug 5	4	3833
Aug 26	4	1394
Sep 2	4	523
Sep 25	4	523
1978		
May 22	3.7	620
Jun 12	4	12624
Jul 10	4	2295
Jul 31	4	861
Aug 21	4	1148
Sep 11	4	861
1979		
May 28	4	0
Jun 25	5	4132
Jul 9	4	215
Jul 23	3.75	6427
Aug 6	4.75	2899
Aug 20	5	689
Sep 6	4.5	574
Sep 17	4.75	725
Oct 15	4	669
1980		
May 15	4	2152
Jun 9	4.5	2104
Jun 16	4.5	0
Jul 7	4	1076
Jul 14	4.5	1722
Jul 21	4	861
Jul 28	4.5	382
Aug 4	4	1076
Aug 11	4	1291
Aug 18	4.5	1913
Aug 25	4.5	956
Sep 1	4.5	1722
Sep 8	4	478
Sep 15	4	2104
Sep 22	4	1913
Sep 29	4	574
Oct 5	4	96
Oct 13	4	861
Oct 20	4	1148
Oct 26	4	191
Dec 9	4	287
1981		
Jan 13	4	0
Feb 10	4	382
Mar 17	4	0
May 11	4	1530
May 25	4	3539
Jun 8	4	382
Jun 22	4	861
Jul 6	4	478
Jul 20	4	1626
Aug 3	4	1076
Aug 18	4	287
Aug 31	4	96
Sep 14	4	191
Sep 28	4	2367
Oct 12	4	0
1982		
Jan 13	4	1339
Mar 8	4	0
May 17	5	96
May 31	3	9287
Jun 14	4	1817
Jun 28	4	96
Jul 12	4	4399
Jul 26	4	3730
Aug 9	3	635
Aug 23	4	1148
Sep 6	3	1403
Sep 20	4	669
Oct 4	4	96
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	11190
May 16	3.75	0
Jun 13	4	2965
Jun 20	4	1148
Jul 4	4	1937
Jul 11	4	5356
Jul 18	3.5	3826
Aug 1	4	2678
Aug 8	3.5	22298
Aug 15	4	382
Aug 29	4.5	1275
Sep 12	3.5	2951
Sep 26	3.5	1202
Oct 3	4	669
Oct 17	4	1626
Dec 13	4	1626

Calanoida C4

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 3	4	697
Sep 18	4	697
Sep 26	4	0
Oct 1	4	0
Oct 17	4	174
Oct 24	4	0
Nov 7	4	871
Dec 5	4	1045
1971		
Jan 9	4	697
Feb 24	4	0
Mar 30	4	0
Apr 27	4	174
May 11	4	0
May 25	4	1742
Jun 8	4	2439
Jun 25	4	697
Jul 8	4	697
Jul 22	4	0
Aug 5	4	697
Aug 26	4	7491
Sep 2	4	6446
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	8321
Jul 10	4	3443
Jul 31	4	861
Aug 31	4	861
Sep 11	4	861
1979		
May 28	4	0
Jun 25	5	3443
Jul 9	4	215
Jul 23	3.75	5738
Aug 6	4.75	4530
Aug 20	5	1377
Sep 6	4.5	4782
Sep 17	4.75	725
Oct 15	4	1052
1980		
May 15	4	0
Jun 9	4.5	7269
Jun 16	4.5	191
Jul 7	4	2582
Jul 14	4.5	765
Jul 21	4	1291
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	382
Aug 25	4.5	765
Sep 1	4.5	191
Sep 8	4	574
Sep 15	4	1530
Sep 22	4	2965
Sep 29	4	1052
Oct 6	4	96
Oct 13	4	669
Oct 20	4	478
Oct 26	4	96
Dec 9	4	478
1981		
Jan 13	4	0
Feb 10	4	191
Mar 17	4	0
May 11	4	1052
May 25	4	4017
Jun 8	4	96
Jun 22	4	430
Jul 6	4	574
Jul 20	4	382
Aug 3	4	215
Aug 18	4	861
Aug 31	4	96
Sep 14	4	1052
Sep 28	4	1076
Oct 12	4	0
1982		
Jan 13	4	2582
Mar 8	4	191
May 17	5	0
May 31	3	1788
Jun 14	4	3252
Jun 28	4	574
Jul 12	4	478
Jul 26	4	4878
Aug 9	3	7391
Aug 23	4	2678
Sep 6	3	765
Sep 20	4	287
Oct 4	4	382
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	1626
May 16	3.75	0
Jun 13	4	669
Jun 20	4	2200
Jul 4	4	5810
Jul 11	4	1817
Jul 18	3.5	983
Aug 1	4	382
Aug 8	3.5	10384
Aug 15	4	861
Aug 29	4.5	2805
Sep 12	3.5	1372
Sep 26	3.5	2623
Oct 3	4	4495
Oct 17	4	287
Dec 13	4	1148

Calanoida C5

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	348
Oct 1	4	174
Oct 17	4	0
Oct 24	4	0
Nov 7	4	348
Dec 5	4	1568
1971		
Jan 9	4	6794
Feb 24	4	348
Mar 30	4	697
Apr 27	4	174
May 11	4	174
May 25	4	0
Jun 8	4	2787
Jun 25	4	3833
Jul 8	4	2439
Jul 22	4	348
Aug 5	4	2090
Aug 26	4	4355
Sep 2	4	9233
Sep 25	4	348
1978		
May 22	3.7	0
Jun 12	4	6599
Jul 10	4	2295
Jul 31	4	0
Aug 21	4	0
Sep 11	4	574
1979		
May 28	4	0
Jun 25	5	3099
Jul 9	4	1937
Jul 23	3.75	3672
Aug 6	4.75	6342
Aug 20	5	516
Sep 6	4.5	956
Sep 17	4.75	1993
Oct 15	4	1339
1980		
May 15	4	0
Jun 9	4.5	12242
Jun 16	4.5	956
Jul 7	4	3443
Jul 14	4.5	765
Jul 21	4	6240
Jul 28	4.5	956
Aug 4	4	1291
Aug 11	4	646
Aug 18	4.5	765
Aug 25	4.5	765
Sep 1	4.5	382
Sep 8	4	96
Sep 15	4	1913
Sep 22	4	3156
Sep 29	4	2200
Oct 6	4	96
Oct 13	4	1148
Oct 20	4	765
Oct 26	4	0
Dec 9	4	287
1981		
Jan 13	4	287
Feb 10	4	478
Mar 17	4	0
May 11	4	191
May 25	4	8129
Jun 8	4	1435
Jun 22	4	1291
Jul 6	4	96
Jul 20	4	1243
Aug 3	4	861
Aug 18	4	2391
Aug 31	4	0
Sep 14	4	1052
Sep 28	4	1722
Oct 12	4	0
1982		
Jan 13	4	4208
Mar 8	4	0
May 17	5	0
May 31	3	1522
Jun 14	4	1530
Jun 28	4	956
Jul 12	4	1435
Jul 26	4	4112
Aug 9	3	8654
Aug 23	4	4112
Sep 6	3	4336
Sep 20	4	1817
Oct 4	4	191
Oct 18	4	0
1983		
Mar 16	4	191
May 6	4	3156
May 16	3.75	0
Jun 13	4	96
Jun 20	4	3730
Jul 4	4	9253
Jul 11	4	3539
Jul 18	3.5	1312
Aug 1	4	1052
Aug 8	3.5	8088
Aug 15	4	191
Aug 29	4.5	3230
Sep 12	3.5	3060
Sep 26	3.5	2405
Oct 3	4	7651
Oct 17	4	1435
Dec 13	4	1339

Cyclops bicuspidatus thomasi, female

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	696
May 25	4	0
Jun 8	4	1045
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	362
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	191
Sep 8	4	0
Sep 15	4	0
Sep 22	4	96
Sep 29	4	0
Oct 6	4	0
Oct 13	4	286
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	96
Feb 10	4	0
Mar 17	4	0
May 11	4	573
May 25	4	0
Jun 8	4	96
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	287
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	96
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	287
1983		
Mar 16	4	95
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	1291
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	191
Dec 13	4	287

Cyclops bicuspidatus thomasi, male

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	348
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	287
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	95
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	85
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	96

Mesocyclops edax, female

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	174
May 11	4	523
May 25	4	348
Jun 8	4	348
Jun 25	4	1045
Jul 8	4	0
Jul 22	4	348
Aug 5	4	0
Aug 26	4	1568
Sep 2	4	1220
Sep 25	4	0
1978		
May 22	3.7	310
Jun 12	4	287
Jul 10	4	861
Jul 31	4	574
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	1076
Jun 25	5	0
Jul 9	4	861
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	191
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	430
Jun 9	4.5	382
Jun 16	4.5	0
Jul 7	4	1076
Jul 14	4.5	191
Jul 21	4	430
Jul 28	4.5	956
Aug 4	4	0
Aug 11	4	430
Aug 18	4.5	573
Aug 25	4.5	382
Sep 1	4.5	191
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	1722
Jul 6	4	478
Jul 20	4	837
Aug 3	4	430
Aug 18	4	1913
Aug 31	4	0
Sep 14	4	191
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	96
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	96
Jul 26	4	574
Aug 9	3	0
Aug 23	4	96
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	215
Jul 11	4	1152
Jul 18	3.5	546
Aug 1	4	478
Aug 8	3.5	1421
Aug 15	4	0
Aug 29	4.5	170
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	96
Oct 17	4	0
Dec 13	4	0

Mesocyclops edax, male

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	348
Jul 8	4	1394
Jul 22	4	348
Aug 5	4	348
Aug 26	4	871
Sep 2	4	871
Sep 25	4	174
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	1148
Jul 31	4	861
Aug 21	4	2582
Sep 11	4	286
1979		
May 28	4	861
Jun 25	5	0
Jul 9	4	215
Jul 23	3.75	459
Aug 6	4.75	181
Aug 20	5	172
Sep 6	4.5	191
Sep 17	4.75	181
Oct 15	4	0
1980		
May 15	4	645
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	215
Jul 14	4.5	573
Jul 21	4	645
Jul 28	4.5	191
Aug 4	4	215
Aug 11	4	215
Aug 18	4.5	765
Aug 25	4.5	0
Sep 1	4.5	191
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	96
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	96
Jun 8	4	0
Jun 22	4	1506
Jul 6	4	1148
Jul 20	4	2439
Aug 3	4	215
Aug 18	4	574
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	96
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	96
Jul 26	4	382
Aug 9	3	128
Aug 23	4	287
Sep 6	3	127
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	430
Jul 11	4	2295
Jul 18	3.5	0
Aug 1	4	1339
Aug 8	3.5	2405
Aug 15	4	96
Aug 29	4.5	340
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	191
Oct 17	4	0
Dec 13	4	0

Tropocyclops prasinus mexicanus, female

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	2090
Sep 9	4	6969
Sep 18	4	2439
Sep 26	4	4181
Oct 1	4	1742
Oct 17	4	14634
Oct 24	4	7840
Nov 7	4	2613
Dec 5	4	1220
1971		
Jan 9	4	1916
Feb 24	4	697
Mar 30	4	0
Apr 27	4	1045
May 11	4	697
May 25	4	0
Jun 8	4	348
Jun 25	4	1712
Jul 8	4	348
Jul 22	4	697
Aug 5	4	9756
Aug 26	4	2962
Sep 2	4	4007
Sep 25	4	17596
1978		
May 22	3.7	620
Jun 12	4	287
Jul 10	4	574
Jul 31	4	4304
Aug 31	4	4017
Sep 11	4	6025
1979		
May 28	4	215
Jun 25	5	516
Jul 9	4	1722
Jul 23	3.75	6427
Aug 6	4.75	4530
Aug 20	5	7575
Sep 6	4.5	1913
Sep 17	4.75	3987
Oct 15	4	2391
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	191
Aug 4	4	215
Aug 11	4	215
Aug 18	4.5	765
Aug 25	4.5	1339
Sep 1	4.5	3634
Sep 8	4	3634
Sep 15	4	6217
Sep 22	4	3252
Sep 29	4	1339
Oct 6	4	1052
Oct 13	4	2869
Oct 20	4	1243
Oct 26	4	1817
Dec 9	4	765
1981		
Jan 13	4	287
Feb 10	4	0
Mar 17	4	191
May 11	4	96
May 25	4	191
Jun 8	4	0
Jun 22	4	430
Jul 6	4	861
Jul 20	4	1148
Aug 3	4	4734
Aug 18	4	3156
Aug 31	4	1435
Sep 14	4	2869
Sep 28	4	3013
Oct 12	4	1913
1982		
Jan 13	4	382
Mar 8	4	96
May 17	5	287
May 31	3	513
Jun 14	4	0
Jun 28	4	0
Jul 12	4	96
Jul 26	4	96
Aug 9	3	128
Aug 23	4	956
Sep 6	3	127
Sep 20	4	669
Oct 4	4	1243
Oct 18	4	478
1983		
Mar 16	4	765
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	95
Jul 4	4	215
Jul 11	4	191
Jul 18	3.5	0
Aug 1	4	8990
Aug 8	3.5	4591
Aug 15	4	6312
Aug 29	4.5	2040
Sep 12	3.5	5356
Sep 26	3.5	6449
Oct 3	4	6886
Oct 17	4	3443
Dec 13	4	4017

Tropocyclops prasinus mexicanus, male

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	5575
Sep 9	4	7666
Sep 18	4	5226
Sep 26	4	7666
Oct 1	4	348
Oct 17	4	4530
Oct 24	4	4530
Nov 7	4	1045
Dec 5	4	871
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	2090
Jul 8	4	697
Jul 22	4	348
Aug 5	4	3833
Aug 26	4	1568
Sep 2	4	2787
Sep 25	4	8362
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	861
Jul 31	4	4878
Aug 21	4	3443
Sep 11	4	9181
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	2582
Jul 23	3.75	3214
Aug 6	4.75	7611
Aug 20	5	11534
Sep 6	4.5	4017
Sep 17	4.75	2899
Oct 15	4	574
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	191
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	191
Aug 4	4	215
Aug 11	4	430
Aug 18	4.5	1530
Aug 25	4.5	1148
Sep 1	4.5	1722
Sep 8	4	2965
Sep 15	4	4399
Sep 22	4	3443
Sep 29	4	1722
Oct 6	4	1052
Oct 13	4	1243
Oct 20	4	956
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	215
Jul 6	4	287
Jul 20	4	1722
Aug 3	4	1722
Aug 18	4	2104
Aug 31	4	574
Sep 14	4	2391
Sep 28	4	2152
Oct 12	4	287
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	96
Jul 12	4	0
Jul 26	4	191
Aug 9	3	128
Aug 23	4	287
Sep 6	3	1148
Sep 20	4	669
Oct 4	4	382
Oct 18	4	1243
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	646
Jul 11	4	382
Jul 18	3.5	219
Aug 1	4	7842
Aug 8	3.5	6012
Aug 15	4	3060
Aug 29	4.5	1955
Sep 12	3.5	4481
Sep 26	3.5	6777
Oct 3	4	3634
Oct 17	4	1722
Dec 13	4	96

Cyclopoida N1

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	14634
Sep 9	4	4878
Sep 18	4	2439
Sep 26	4	697
Oct 1	4	174
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	174
Apr 27	4	0
May 11	4	6272
May 25	4	4181
Jun 8	4	2787
Jun 25	4	11498
Jul 8	4	12195
Jul 22	4	12544
Aug 5	4	9059
Aug 26	4	3658
Sep 2	4	6620
Sep 25	4	1742
1978		
May 22	3.7	7134
Jun 12	4	2869
Jul 10	4	3730
Jul 31	4	7173
Aug 31	4	6599
Sep 11	4	861
1979		
May 28	4	9684
Jun 25	5	7402
Jul 9	4	2582
Jul 23	3.75	6886
Aug 6	4.75	4530
Aug 20	5	3615
Sep 6	4.5	956
Sep 17	4.75	544
Oct 15	4	574
1980		
May 15	4	5164
Jun 9	4.5	6504
Jun 16	4.5	3252
Jul 7	4	1722
Jul 14	4.5	2678
Jul 21	4	2582
Jul 28	4.5	2295
Aug 4	4	5380
Aug 11	4	3228
Aug 18	4.5	2869
Aug 25	4.5	5356
Sep 1	4.5	8034
Sep 8	4	4399
Sep 15	4	1243
Sep 22	4	1722
Sep 29	4	287
Oct 6	4	287
Oct 13	4	191
Oct 20	4	382
Oct 26	4	96
Dec 9	4	96
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	3347
May 25	4	1913
Jun 8	4	1817
Jun 22	4	3658
Jul 6	4	4591
Jul 20	4	12624
Aug 3	4	15924
Aug 18	4	6599
Aug 31	4	1148
Sep 14	4	669
Sep 28	4	1937
Oct 12	4	387
1982		
Jan 13	4	0
Mar 8	4	96
May 17	5	2008
May 31	3	2039
Jun 14	4	669
Jun 28	4	4017
Jul 12	4	956
Jul 26	4	478
Aug 9	3	382
Aug 23	4	478
Sep 6	3	0
Sep 20	4	191
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	1243
May 16	3.75	306
Jun 13	4	956
Jun 20	4	3060
Jul 4	4	1076
Jul 11	4	956
Jul 18	3.5	546
Aug 1	4	4304
Aug 8	3.5	3170
Aug 15	4	2295
Aug 29	4.5	2040
Sep 12	3.5	1093
Sep 26	3.5	765
Oct 3	4	574
Oct 17	4	382
Dec 13	4	956

Cyclopoida N2

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	13937
Sep 9	4	9059
Sep 18	4	8014
Sep 26	4	4530
Oct 1	4	1916
Oct 17	4	697
Oct 24	4	523
Nov 7	4	174
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	174
Apr 27	4	0
May 11	4	4530
May 25	4	6620
Jun 8	4	3484
Jun 25	4	16725
Jul 8	4	6969
Jul 22	4	13240
Aug 5	4	7317
Aug 26	4	3658
Sep 2	4	6272
Sep 25	4	1394
1978		
May 22	3.7	19542
Jun 12	4	5164
Jul 10	4	4878
Jul 31	4	6312
Aug 31	4	8894
Sep 11	4	861
1979		
May 28	4	18076
Jun 25	5	16182
Jul 9	4	4949
Jul 23	3.75	9640
Aug 6	4.75	10148
Aug 20	5	7058
Sep 6	4.5	3060
Sep 17	4.75	3624
Oct 15	4	191
1980		
May 15	4	4089
Jun 9	4.5	7269
Jun 16	4.5	3252
Jul 7	4	861
Jul 14	4.5	2487
Jul 21	4	1506
Jul 28	4.5	1339
Aug 4	4	2367
Aug 11	4	2582
Aug 18	4.5	4399
Aug 25	4.5	4399
Sep 1	4.5	8799
Sep 8	4	6982
Sep 15	4	2104
Sep 22	4	2487
Sep 29	4	1530
Oct 6	4	861
Oct 13	4	382
Oct 20	4	382
Oct 26	4	0
Dec 9	4	96
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	1530
May 25	4	1435
Jun 8	4	1243
Jun 22	4	1722
Jul 6	4	3921
Jul 20	4	8345
Aug 3	4	5595
Aug 18	4	6217
Aug 31	4	2200
Sep 14	4	1339
Sep 28	4	1076
Oct 12	4	1148
1982		
Jan 13	4	191
Mar 8	4	0
May 17	5	2008
May 31	3	2678
Jun 14	4	956
Jun 28	4	4304
Jul 12	4	2104
Jul 26	4	765
Aug 9	3	1532
Aug 23	4	574
Sep 6	3	1275
Sep 20	4	382
Oct 4	4	0
Oct 18	4	191
1983		
Mar 16	4	0
May 6	4	2008
May 16	3.75	306
Jun 13	4	2391
Jun 20	4	3921
Jul 4	4	1506
Jul 11	4	1722
Jul 18	3.5	1312
Aug 1	4	6504
Aug 8	3.5	7870
Aug 15	4	2582
Aug 29	4.5	2380
Sep 12	3.5	2186
Sep 26	3.5	2405
Oct 3	4	2200
Oct 17	4	574
Dec 13	4	1913

Cyclopoida N3

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	11498
Sep 9	4	9756
Sep 18	4	6969
Sep 26	4	3484
Oct 1	4	2439
Oct 17	4	1045
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	523
Apr 27	4	174
May 11	4	15679
May 25	4	19512
Jun 8	4	11498
Jun 25	4	39721
Jul 8	4	25436
Jul 22	4	29617
Aug 5	4	16376
Aug 26	4	11847
Sep 2	4	11324
Sep 25	4	3483
1978		
May 22	3.7	59866
Jun 12	4	11477
Jul 10	4	9468
Jul 31	4	11477
Aug 21	4	21806
Sep 11	4	8608
1979		
May 28	4	46266
Jun 25	5	40456
Jul 9	4	39165
Jul 23	3.75	16986
Aug 6	4.75	17215
Aug 20	5	23585
Sep 6	4.5	14537
Sep 17	4.75	9061
Oct 15	4	574
1980		
May 15	4	20443
Jun 9	4.5	16833
Jun 16	4.5	13007
Jul 7	4	4087
Jul 14	4.5	8990
Jul 21	4	4949
Jul 28	4.5	4208
Aug 4	4	5595
Aug 11	4	7101
Aug 18	4.5	9181
Aug 25	4.5	8416
Sep 1	4.5	11286
Sep 8	4	11955
Sep 15	4	6217
Sep 22	4	3730
Sep 29	4	2965
Oct 6	4	1243
Oct 13	4	382
Oct 20	4	765
Oct 26	4	191
Dec 9	4	191
1981		
Jan 13	4	574
Feb 10	4	191
Mar 17	4	96
May 11	4	1817
May 25	4	5547
Jun 8	4	1817
Jun 22	4	4304
Jul 6	4	4973
Jul 20	4	23480
Aug 3	4	20228
Aug 18	4	19798
Aug 31	4	3921
Sep 14	4	1913
Sep 28	4	2152
Oct 12	4	1148
1982		
Jan 13	4	0
Mar 8	4	191
May 17	5	3539
May 31	3	12955
Jun 14	4	1722
Jun 28	4	12624
Jul 12	4	6886
Jul 26	4	2869
Aug 9	3	3430
Aug 23	4	1817
Sep 6	3	2805
Sep 20	4	765
Oct 4	4	1052
Oct 18	4	191
1983		
Mar 16	4	382
May 6	4	5930
May 16	3.75	918
Jun 13	4	5930
Jun 20	4	7651
Jul 4	4	9899
Jul 11	4	4304
Jul 18	3.5	5246
Aug 1	4	11859
Aug 8	3.5	32463
Aug 15	4	7651
Aug 29	4.5	3656
Sep 12	3.5	5028
Sep 26	3.5	3388
Oct 3	4	6025
Oct 17	4	861
Dec 13	4	2774

Cyclopoida N4

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	19164
Sep 9	4	16725
Sep 18	4	18815
Sep 26	4	5226
Oct 1	4	3484
Oct 17	4	1742
Oct 24	4	1045
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	174
Feb 24	4	0
Mar 30	4	174
Apr 27	4	0
May 11	4	6446
May 25	4	14634
Jun 8	4	8014
Jun 25	4	20209
Jul 8	4	13937
Jul 22	4	9408
Aug 5	4	5226
Aug 26	4	8188
Sep 2	4	10801
Sep 25	4	6098
1978		
May 22	3.7	56454
Jun 12	4	13198
Jul 10	4	19224
Jul 31	4	6312
Aug 31	4	30987
Sep 11	4	8894
1979		
May 28	4	16570
Jun 25	5	29782
Jul 9	4	59823
Jul 23	3.75	12854
Aug 6	4.75	12504
Aug 20	5	14633
Sep 6	4.5	8225
Sep 17	4.75	5799
Oct 15	4	1626
1980		
May 15	4	3873
Jun 9	4.5	6886
Jun 16	4.5	14346
Jul 7	4	2152
Jul 14	4.5	4782
Jul 21	4	3228
Jul 28	4.5	2869
Aug 4	4	4304
Aug 11	4	3873
Aug 18	4.5	7460
Aug 25	4.5	7077
Sep 1	4.5	3443
Sep 8	4	5260
Sep 15	4	5356
Sep 22	4	2965
Sep 29	4	1435
Oct 6	4	1435
Oct 13	4	1435
Oct 20	4	1148
Oct 26	4	382
Dec 9	4	765
1981		
Jan 13	4	1148
Feb 10	4	191
Mar 17	4	0
May 11	4	669
May 25	4	2104
Jun 8	4	2582
Jun 22	4	646
Jul 6	4	3634
Jul 20	4	11405
Aug 3	4	11405
Aug 18	4	15111
Aug 31	4	2487
Sep 14	4	382
Sep 28	4	2152
Oct 12	4	956
1982		
Jan 13	4	191
Mar 8	4	0
May 17	5	2104
May 31	3	10012
Jun 14	4	1052
Jun 28	4	10807
Jul 12	4	10425
Jul 26	4	3634
Aug 9	3	5086
Aug 23	4	3539
Sep 6	3	4336
Sep 20	4	1243
Oct 4	4	1913
Oct 18	4	478
1983		
Mar 16	4	96
May 6	4	5643
May 16	3.75	102
Jun 13	4	6217
Jun 20	4	3826
Jul 4	4	8823
Jul 11	4	2774
Jul 18	3.5	3170
Aug 1	4	8990
Aug 8	3.5	23391
Aug 15	4	9086
Aug 29	4.5	5186
Sep 12	3.5	2405
Sep 26	3.5	3716
Oct 3	4	3539
Oct 17	4	2008
Dec 13	4	1722

Cyclopoida N5

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	9408
Sep 9	4	18118
Sep 18	4	14634
Sep 26	4	8711
Oct 1	4	3136
Oct 17	4	2265
Oct 24	4	1916
Nov 7	4	348
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	174
Apr 27	4	0
May 11	4	2265
May 25	4	13240
Jun 8	4	5226
Jun 25	4	13589
Jul 8	4	9756
Jul 22	4	9059
Aug 5	4	4878
Aug 26	4	4878
Sep 2	4	7491
Sep 25	4	4181
1978		
May 22	3.7	53972
Jun 12	4	9181
Jul 10	4	16641
Jul 31	4	4071
Aug 21	4	13772
Sep 11	4	5451
1979		
May 28	4	7747
Jun 25	5	17215
Jul 9	4	32278
Jul 23	3.75	4361
Aug 6	4.75	2899
Aug 20	5	7747
Sep 6	4.5	3826
Sep 17	4.75	1993
Oct 15	4	861
1980		
May 15	4	861
Jun 9	4.5	5930
Jun 16	4.5	6695
Jul 7	4	1722
Jul 14	4.5	2487
Jul 21	4	861
Jul 28	4.5	1148
Aug 4	4	1722
Aug 11	4	2582
Aug 18	4.5	5930
Aug 25	4.5	6695
Sep 1	4.5	2487
Sep 8	4	3060
Sep 15	4	3156
Sep 22	4	2391
Sep 29	4	574
Oct 6	4	861
Oct 13	4	956
Oct 20	4	765
Oct 26	4	96
Dec 9	4	574
1981		
Jan 13	4	1052
Feb 10	4	96
Mar 17	4	0
May 11	4	287
May 25	4	1913
Jun 8	4	2295
Jun 22	4	430
Jul 6	4	2200
Jul 20	4	7173
Aug 3	4	7532
Aug 18	4	6217
Aug 31	4	1243
Sep 14	4	0
Sep 28	4	0
Oct 12	4	96
1982		
Jan 13	4	96
Mar 8	4	0
May 17	5	1339
May 31	3	4935
Jun 14	4	765
Jun 28	4	5738
Jul 12	4	6503
Jul 26	4	861
Aug 9	3	1783
Aug 23	4	1625
Sep 6	3	1275
Sep 20	4	191
Oct 4	4	478
Oct 18	4	191
1983		
Mar 16	4	96
May 6	4	2965
May 16	3.75	0
Jun 13	4	7364
Jun 20	4	3060
Jul 4	4	7962
Jul 11	4	3252
Jul 18	3.5	2295
Aug 1	4	11381
Aug 8	3.5	16833
Aug 15	4	8799
Aug 29	4.5	2295
Sep 12	3.5	874
Sep 26	3.5	2295
Oct 3	4	2774
Oct 17	4	1339
Dec 13	4	1530

Cyclopoida N6

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	12892
Sep 9	4	18815
Sep 18	4	12892
Sep 26	4	14286
Oct 1	4	9930
Oct 17	4	3658
Oct 24	4	2090
Nov 7	4	1742
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	13240
Jun 8	4	3136
Jun 25	4	5226
Jul 8	4	5226
Jul 22	4	4878
Aug 5	4	1742
Aug 26	4	871
Sep 2	4	3136
Sep 25	4	697
1978		
May 22	3.7	27917
Jun 12	4	1435
Jul 10	4	2582
Jul 31	4	2869
Aug 31	4	2295
Sep 11	4	287
1979		
May 28	4	2152
Jun 25	5	2754
Jul 9	4	12911
Jul 23	3.75	2754
Aug 6	4.75	1631
Aug 20	5	2410
Sep 6	4.5	574
Sep 17	4.75	181
Oct 15	4	1817
1980		
May 15	4	1291
Jun 9	4.5	1530
Jun 16	4.5	6121
Jul 7	4	1076
Jul 14	4.5	1913
Jul 21	4	646
Jul 28	4.5	1148
Aug 4	4	1722
Aug 11	4	861
Aug 18	4.5	4782
Aug 25	4.5	4017
Sep 1	4.5	1530
Sep 8	4	1817
Sep 15	4	1243
Sep 22	4	478
Sep 29	4	382
Oct 6	4	191
Oct 13	4	287
Oct 20	4	382
Oct 26	4	191
Dec 9	4	1435
1981		
Jan 13	4	1530
Feb 10	4	0
Mar 17	4	0
May 11	4	191
May 25	4	956
Jun 8	4	1626
Jun 22	4	646
Jul 6	4	1148
Jul 20	4	1722
Aug 3	4	5595
Aug 18	4	1722
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	574
May 31	3	3544
Jun 14	4	287
Jun 28	4	1913
Jul 12	4	1913
Jul 26	4	191
Aug 9	3	767
Aug 23	4	478
Sep 6	3	382
Sep 20	4	96
Oct 4	4	0
Oct 18	4	96
1983		
Mar 16	4	191
May 6	4	1817
May 16	3.75	0
Jun 13	4	2582
Jun 20	4	1626
Jul 4	4	2582
Jul 11	4	1435
Jul 18	3.5	1312
Aug 1	4	4686
Aug 8	3.5	6558
Aug 15	4	4973
Aug 29	4.5	2380
Sep 12	3.5	656
Sep 26	3.5	656
Oct 3	4	1626
Oct 17	4	287
Dec 13	4	478

Cyclopoida C1

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	4530
Sep 9	4	11847
Sep 18	4	7666
Sep 26	4	6969
Oct 1	4	8188
Oct 17	4	3484
Oct 24	4	3136
Nov 7	4	523
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	174
Mar 30	4	0
Apr 27	4	0
May 11	4	174
May 25	4	6272
Jun 8	4	4181
Jun 25	4	3484
Jul 8	4	2787
Jul 22	4	1742
Aug 5	4	1394
Aug 26	4	4355
Sep 2	4	10104
Sep 25	4	31010
1978		
May 22	3.7	8685
Jun 12	4	2582
Jul 10	4	3443
Jul 31	4	3156
Aug 31	4	8894
Sep 11	4	8608
1979		
May 28	4	4734
Jun 25	5	1377
Jul 9	4	3658
Jul 23	3.75	4132
Aug 6	4.75	4893
Aug 20	5	1549
Sep 6	4.5	2869
Sep 17	4.75	1268
Oct 15	4	669
1980		
May 15	4	0
Jun 9	4.5	191
Jun 16	4.5	0
Jul 7	4	215
Jul 14	4.5	574
Jul 21	4	215
Jul 28	4.5	574
Aug 4	4	2367
Aug 11	4	1291
Aug 18	4.5	2678
Aug 25	4.5	2104
Sep 1	4.5	1148
Sep 8	4	478
Sep 15	4	861
Sep 22	4	1052
Sep 29	4	287
Oct 6	4	96
Oct 13	4	382
Oct 20	4	0
Oct 26	4	0
Dec 9	4	191
1981		
Jan 13	4	382
Feb 10	4	96
Mar 17	4	0
May 11	4	287
May 25	4	0
Jun 8	4	287
Jun 22	4	1076
Jul 6	4	1243
Jul 20	4	1267
Aug 3	4	6240
Aug 18	4	4112
Aug 31	4	382
Sep 14	4	574
Sep 28	4	0
Oct 12	4	96
1982		
Jan 13	4	191
Mar 8	4	0
May 17	5	191
May 31	3	637
Jun 14	4	191
Jun 28	4	1626
Jul 12	4	2774
Jul 26	4	0
Aug 9	3	508
Aug 23	4	1817
Sep 6	3	1913
Sep 20	4	574
Oct 4	4	861
Oct 18	4	191
1983		
Mar 16	4	0
May 6	4	573
May 16	3.75	102
Jun 13	4	765
Jun 20	4	574
Jul 4	4	2152
Jul 11	4	1052
Jul 18	3.5	1312
Aug 1	4	3921
Aug 8		7870
Aug 15	4	8034
Aug 29	4.5	3316
Sep 12	3.5	5246
Sep 26	3.5	1093
Oct 3	4	1339
Oct 17	4	382
Dec 13	4	0

Cyclopoida C2

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	8014
Sep 9	4	5575
Sep 18	4	6969
Sep 26	4	5226
Oct 1	4	3833
Oct 17	4	5226
Oct 24	4	2439
Nov 7	4	174
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	4878
Jun 8	4	8362
Jun 25	4	3833
Jul 8	4	3833
Jul 22	4	1394
Aug 5	4	5226
Aug 26	4	5749
Sep 2	4	11150
Sep 25	4	49652
1978		
May 22	3.7	7444
Jun 12	4	861
Jul 10	4	5738
Jul 31	4	2582
Aug 21	4	6312
Sep 11	4	4878
1979		
May 28	4	3443
Jun 25	5	1549
Jul 9	4	4304
Jul 23	3.75	2984
Aug 6	4.75	4349
Aug 20	5	2582
Sep 6	4.5	2487
Sep 17	4.75	1450
Oct 15	4	669
1980		
May 15	4	215
Jun 9	4.5	1148
Jun 16	4.5	191
Jul 7	4	215
Jul 14	4.5	956
Jul 21	4	861
Jul 28	4.5	382
Aug 4	4	1722
Aug 11	4	1506
Aug 18	4.5	5547
Aug 25	4.5	4208
Sep 1	4.5	3060
Sep 8	4	861
Sep 15	4	1435
Sep 22	4	574
Sep 29	4	287
Oct 6	4	96
Oct 13	4	96
Oct 20	4	96
Oct 26	4	0
Dec 9	4	96
1981		
Jan 13	4	287
Feb 10	4	191
Mar 17	4	0
May 11	4	765
May 25	4	0
Jun 8	4	669
Jun 22	4	1506
Jul 6	4	956
Jul 20	4	2750
Aug 3	4	13342
Aug 18	4	6408
Aug 31	4	1626
Sep 14	4	478
Sep 28	4	430
Oct 12	4	191
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	511
Jun 14	4	96
Jun 28	4	669
Jul 12	4	1052
Jul 26	4	0
Aug 9	3	382
Aug 23	4	2008
Sep 6	3	893
Sep 20	4	1052
Oct 4	4	96
Oct 18	4	382
1983		
Mar 16	4	0
May 6	4	191
May 16	3.75	0
Jun 13	4	669
Jun 20	4	669
Jul 4	4	2367
Jul 11	4	1148
Jul 18	3.5	656
Aug 1	4	3634
Aug 8	3.5	10930
Aug 15	4	4591
Aug 29	4.5	2210
Sep 12	3.5	5574
Sep 26	3.5	765
Oct 3	4	96
Oct 17	4	191
Dec 13	4	0

Cyclopoida C3

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	3135
Sep 9	4	4878
Sep 18	4	5226
Sep 26	4	2090
Oct 1	4	1916
Oct 17	4	2962
Oct 24	4	1220
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	174
Apr 27	4	0
May 11	4	0
May 25	4	348
Jun 8	4	12892
Jun 25	4	4530
Jul 8	4	2439
Jul 22	4	348
Aug 5	4	5226
Aug 26	4	4530
Sep 2	4	10976
Sep 25	4	18293
1978		
May 22	3.7	930
Jun 12	4	287
Jul 10	4	2008
Jul 31	4	1435
Aug 31	4	4017
Sep 11	4	3730
1979		
May 28	4	861
Jun 25	5	344
Jul 9	4	1291
Jul 23	3.75	1836
Aug 6	4.75	1268
Aug 20	5	7058
Sep 6	4.5	1722
Sep 17	4.75	1812
Oct 15	4	96
1980		
May 15	4	0
Jun 9	4.5	1339
Jun 16	4.5	573
Jul 7	4	215
Jul 14	4.5	191
Jul 21	4	1076
Jul 28	4.5	574
Aug 4	4	861
Aug 11	4	430
Aug 18	4.5	3634
Aug 25	4.5	1913
Sep 1	4.5	1530
Sep 8	4	765
Sep 15	4	574
Sep 22	4	669
Sep 29	4	287
Oct 6	4	191
Oct 13	4	191
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	573
May 25	4	0
Jun 8	4	382
Jun 22	4	1722
Jul 6	4	765
Jul 20	4	478
Aug 3	4	6456
Aug 18	4	2774
Aug 31	4	765
Sep 14	4	478
Sep 28	4	215
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	254
Jun 14	4	0
Jun 28	4	0
Jul 12	4	96
Jul 26	4	0
Aug 9	3	254
Aug 23	4	574
Sep 6	3	765
Sep 20	4	478
Oct 4	4	287
Oct 18	4	287
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	191
Jul 4	4	3013
Jul 11	4	478
Jul 18	3.5	219
Aug 1	4	1148
Aug 8	3.5	2732
Aug 15	4	2582
Aug 29	4.5	1700
Sep 12	3.5	3498
Sep 26	3.5	1202
Oct 3	4	287
Oct 17	4	0
Dec 13	4	0

Cyclopoida C4

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	6969
Sep 9	4	6272
Sep 18	4	6969
Sep 26	4	4878
Oct 1	4	1045
Oct 17	4	2090
Oct 24	4	1568
Nov 7	4	348
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	4878
Jun 25	4	2090
Jul 8	4	2090
Jul 22	4	0
Aug 5	4	2439
Aug 26	4	1742
Sep 2	4	4704
Sep 25	4	5923
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	1148
Jul 31	4	574
Aug 21	4	1722
Sep 11	4	287
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	1506
Jul 23	3.75	689
Aug 6	4.75	906
Aug 20	5	5509
Sep 6	4.5	2104
Sep 17	4.75	544
Oct 15	4	96
1980		
May 15	4	0
Jun 9	4.5	382
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	191
Jul 21	4	215
Jul 28	4.5	765
Aug 4	4	430
Aug 11	4	646
Aug 18	4.5	191
Aug 25	4.5	1148
Sep 1	4.5	765
Sep 8	4	478
Sep 15	4	96
Sep 22	4	478
Sep 29	4	191
Oct 6	4	191
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	96
1981		
Jan 13	4	0
Feb 10	4	96
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	191
Aug 3	4	215
Aug 18	4	478
Aug 31	4	287
Sep 14	4	96
Sep 28	4	0
Oct 12	4	96
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	128
Aug 23	4	382
Sep 6	3	382
Sep 20	4	382
Oct 4	4	287
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	102
Jun 13	4	95
Jun 20	4	95
Jul 4	4	861
Jul 11	4	382
Jul 18	3.5	437
Aug 1	4	956
Aug 8	3.5	4591
Aug 15	4	861
Aug 29	4.5	425
Sep 12	3.5	2842
Sep 26	3.5	874
Oct 3	4	478
Oct 17	4	0
Dec 13	4	0

Cyclopoida C5

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	5923
Sep 9	4	3484
Sep 18	4	4878
Sep 26	4	5226
Oct 1	4	871
Oct 17	4	2090
Oct 24	4	697
Nov 7	4	348
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	697
May 25	4	0
Jun 8	4	2090
Jun 25	4	2090
Jul 8	4	697
Jul 22	4	0
Aug 5	4	1394
Aug 26	4	871
Sep 2	4	2265
Sep 25	4	4007
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	287
Jul 31	4	574
Aug 31	4	1435
Sep 11	4	1721
1979		
May 28	4	0
Jun 25	5	172
Jul 9	4	1076
Jul 23	3.75	459
Aug 6	4.75	1631
Aug 20	5	6025
Sep 6	4.5	1913
Sep 17	4.75	1993
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	1339
Jul 7	4	215
Jul 14	4.5	191
Jul 21	4	215
Jul 28	4.5	382
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	191
Aug 25	4.5	0
Sep 1	4.5	191
Sep 8	4	96
Sep 15	4	0
Sep 22	4	96
Sep 29	4	96
Oct 6	4	96
Oct 13	4	96
Oct 20	4	0
Oct 26	4	0
Dec 9	4	96
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	191
Jul 20	4	0
Aug 3	4	215
Aug 18	4	191
Aug 31	4	96
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	191
Jul 26	4	382
Aug 9	3	128
Aug 23	4	478
Sep 6	3	0
Sep 20	4	287
Oct 4	4	191
Oct 18	4	191
1983		
Mar 16	4	95
May 6	4	0
May 16	3.75	204
Jun 13	4	0
Jun 20	4	0
Jul 4	4	861
Jul 11	4	669
Jul 18	3.5	765
Aug 1	4	1817
Aug 8	3.5	1967
Aug 15	4	1435
Aug 29	4.5	850
Sep 12	3.5	4044
Sep 26	3.5	2077
Oct 3	4	669
Oct 17	4	0
Dec 13	4	96

h. Rotifera

Ascomorpha sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	348
Oct 24	4	1045
Nov 7	4	2090
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	348
May 11	4	392
May 25	4	1568
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	391
1978		
May 22	3.7	1241
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	96
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	1076
May 25	4	0
Jun 8	4	0
Jun 22	4	215
Jul 6	4	96
Jul 20	4	287
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	191
1982		
Jan 13	4	0
Mar 8	4	1626
May 17	5	3443
May 31	3	6327
Jun 14	4	478
Jun 28	4	215
Jul 12	4	215
Jul 26	4	0
Aug 9	3	1907
Aug 23	4	646
Sep 6	3	574
Sep 20	4	861
Oct 4	4	0
Oct 18	4	478
1983		
Mar 16	4	0
May 6	4	1722
May 16	3.75	2550
Jun 13	4	1338
Jun 20	4	287
Jul 4	4	215
Jul 11	4	215
Jul 18	3.5	738
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	287
Dec 13	4	0

Asplanchna sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	348
Oct 1	4	1394
Oct 17	4	697
Oct 24	4	871
Nov 7	4	348
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	523
May 11	4	3136
May 25	4	0
Jun 8	4	6272
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	4963
Jun 12	4	1148
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	1076
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	230
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	96
1980		
May 15	4	1076
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	191
Aug 25	4.5	0
Sep 1	4.5	2487
Sep 8	4	7962
Sep 15	4	13772
Sep 22	4	16354
Sep 29	4	5643
Oct 6	4	5164
Oct 13	4	1937
Oct 20	4	1291
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	5810
May 25	4	1817
Jun 8	4	0
Jun 22	4	0
Jul 6	4	96
Jul 20	4	0
Aug 3	4	1506
Aug 18	4	1817
Aug 31	4	4973
Sep 14	4	15302
Sep 28	4	8823
Oct 12	4	1052
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	3873
May 31	3	71706
Jun 14	4	0
Jun 28	4	215
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	430
Oct 4	4	1291
Oct 18	4	1052
1983		
Mar 16	4	0
May 6	4	6504
May 16	3.75	2754
Jun 13	4	6586
Jun 20	4	287
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	1435
Dec 13	4	0

Cephalodella sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	1220
May 11	4	2744
May 25	4	15679
Jun 8	4	3136
Jun 25	4	784
Jul 8	4	3136
Jul 22	4	4704
Aug 5	4	6272
Aug 26	4	0
Sep 2	4	392
Sep 25	4	174
1978		
May 22	3.7	310
Jun 12	4	0
Jul 10	4	0
Jul 31	4	861
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	430
Jun 25	5	1205
Jul 9	4	215
Jul 23	3.75	0
Aug 6	4.75	362
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	215
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	1076
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	96
Sep 14	4	191
Sep 28	4	430
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	215
May 31	3	656
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	254
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	861
May 6	4	2008
May 16	3.75	102
Jun 13	4	2581
Jun 20	4	287
Jul 4	4	430
Jul 11	4	0
Jul 18	3.5	1230
Aug 1	4	0
Aug 8	3.5	246
Aug 15	4	96
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	3658
Oct 17	4	0
Dec 13	4	0

Colletheca sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	128571
Sep 9	4	71080
Sep 18	4	88850
Sep 26	4	47735
Oct 1	4	26655
Oct 17	4	7317
Oct 24	4	4878
Nov 7	4	4007
Dec 5	4	14982
1971		
Jan 9	4	21254
Feb 24	4	348
Mar 30	4	0
Apr 27	4	0
May 11	4	3920
May 25	4	41550
Jun 8	4	22735
Jun 25	4	108188
Jul 8	4	186585
Jul 22	4	85453
Aug 5	4	21951
Aug 26	4	4573
Sep 2	4	9015
Sep 25	4	53092
1978		
May 22	3.7	42185
Jun 12	4	76034
Jul 10	4	84928
Jul 31	4	470837
Aug 21	4	0
Sep 11	4	2295
1979		
May 28	4	3443
Jun 25	5	9640
Jul 9	4	32278
Jul 23	3.75	84928
Aug 6	4.75	362789
Aug 20	5	302128
Sep 6	4.5	35578
Sep 17	4.75	16490
Oct 15	4	2487
1980		
May 15	4	8608
Jun 9	4.5	3634
Jun 16	4.5	46099
Jul 7	4	14202
Jul 14	4.5	45333
Jul 21	4	430
Jul 28	4.5	0
Aug 4	4	2367
Aug 11	4	12481
Aug 18	4.5	57384
Aug 25	4.5	28118
Sep 1	4.5	259951
Sep 8	4	18722
Sep 15	4	26468
Sep 22	4	28836
Sep 29	4	13676
Oct 6	4	8177
Oct 13	4	7101
Oct 20	4	1937
Oct 26	4	861
Dec 9	4	0
1981		
Jan 13	4	287
Feb 10	4	96
Mar 17	4	0
May 11	4	21519
May 25	4	8990
Jun 8	4	4591
Jun 22	4	14202
Jul 6	4	32135
Jul 20	4	28620
Aug 3	4	111038
Aug 18	4	24293
Aug 31	4	89328
Sep 14	4	115629
Sep 28	4	29911
Oct 12	4	4112
1982		
Jan 13	4	287
Mar 8	4	382
May 17	5	2582
May 31	3	8014
Jun 14	4	3443
Jun 28	4	38949
Jul 12	4	10329
Jul 26	4	2797
Aug 9	3	14882
Aug 23	4	73380
Sep 6	3	194650
Sep 20	4	136431
Oct 4	4	118570
Oct 18	4	36343
1983		
Mar 16	4	0
May 6	4	1339
May 16	3.75	1224
Jun 13	4	1560
Jun 20	4	765
Jul 4	4	8392
Jul 11	4	11190
Jul 18	3.5	14264
Aug 1	4	5810
Aug 8	3.5	6640
Aug 15	4	1052
Aug 29	4.5	17406
Sep 12	3.5	277411
Sep 26	3.5	368160
Oct 3	4	84785
Oct 17	4	7173
Dec 13	4	0

Conochilus unicornis

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	392
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	16130
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	4304
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	16139
Jun 9	4.5	191
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	191
Jul 21	4	1291
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	956
Aug 25	4.5	0
Sep 1	4.5	574
Sep 8	4	0
Sep 15	4	2797
Sep 22	4	430
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	2152
1981		
Jan 13	4	669
Feb 10	4	287
Mar 17	4	0
May 11	4	20658
May 25	4	3443
Jun 8	4	0
Jun 22	4	0
Jul 6	4	669
Jul 20	4	96
Aug 3	4	1722
Aug 18	4	0
Aug 31	4	0
Sep 14	4	956
Sep 28	4	5164
Oct 12	4	1339
1982		
Jan 13	4	2104
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	128
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	47151
May 16	3.75	16220
Jun 13	4	18839
Jun 20	4	478
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	984
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	1722

Conochiloides sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	696
Oct 1	4	523
Oct 17	4	348
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	2352
May 25	4	10976
Jun 8	4	54878
Jun 25	4	25871
Jul 8	4	3920
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	3963
1978		
May 22	3.7	39083
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	157520
Jun 25	5	689
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	181
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	906
Oct 15	4	2391
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	861
Oct 6	4	1076
Oct 13	4	2582
Oct 20	4	5595
Oct 26	4	4519
Dec 9	4	67139
1981		
Jan 13	4	18267
Feb 10	4	60923
Mar 17	4	43134
May 11	4	330963
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	1339
May 17	5	175165
May 31	3	63834
Jun 14	4	0
Jun 28	4	0
Jul 12	4	1076
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	287
1983		
Mar 16	4	3228
May 6	4	198262
May 16	3.75	1122
Jun 13	4	4549
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Filinia longispina

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	348
Nov 7	4	0
Dec 5	4	174
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	871
Apr 27	4	697
May 11	4	784
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	174
Sep 25	4	
1978		
May 22	3.7	1551
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	2797
Jun 25	5	0
Jul 9	4	215
Jul 23	3.75	0
Aug 6	4.75	362
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	861
Dec 9	4	3443
1981		
Jan 13	4	4208
Feb 10	4	2008
Mar 17	4	0
May 11	4	1291
May 25	4	96
Jun 8	4	0
Jun 22	4	0
Jul 6	4	2295
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	669
May 17	5	12911
May 31	3	288
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	646
Oct 18	4	287
1983		
Mar 16	4	430
May 6	4	0
May 16	3.75	4897
Jun 13	4	0
Jun 20	4	0
Jul 4	4	1291
Jul 11	4	0
Jul 18	3.5	246
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	861

Gastropus stylifer

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	12892
Sep 9	4	33449
Sep 18	4	73868
Sep 26	4	104181
Oct 1	4	95296
Oct 17	4	141115
Oct 24	4	137456
Nov 7	4	135192
Dec 5	4	118641
1971		
Jan 9	4	91812
Feb 24	4	25436
Mar 30	4	1220
Apr 27	4	1394
May 11	4	17247
May 25	4	76045
Jun 8	4	11760
Jun 25	4	10976
Jul 8	4	68206
Jul 22	4	70557
Aug 5	4	52526
Aug 26	4	85061
Sep 2	4	187761
Sep 25	4	58319
1978		
May 22	3.7	8065
Jun 12	4	4017
Jul 10	4	861
Jul 31	4	0
Aug 21	4	287
Sep 11	4	574
1979		
May 28	4	17861
Jun 25	5	30127
Jul 9	4	430
Jul 23	3.75	1148
Aug 6	4.75	181
Aug 20	5	0
Sep 6	4.5	2014
Sep 17	4.75	1631
Oct 15	4	6025
1980		
May 15	4	55304
Jun 9	4.5	5547
Jun 16	4.5	1530
Jul 7	4	430
Jul 14	4.5	191
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	191
Sep 8	4	646
Sep 15	4	0
Sep 22	4	1506
Sep 29	4	382
Oct 6	4	1291
Oct 13	4	5164
Oct 20	4	4519
Oct 26	4	1722
Dec 9	4	1722
1981		
Jan 13	4	478
Feb 10	4	1530
Mar 17	4	478
May 11	4	31633
May 25	4	10712
Jun 8	4	8416
Jun 22	4	1076
Jul 6	4	32709
Jul 20	4	3754
Aug 3	4	14848
Aug 18	4	382
Aug 31	4	96
Sep 14	4	861
Sep 28	4	1076
Oct 12	4	956
1982		
Jan 13	4	478
Mar 8	4	1148
May 17	5	13127
May 31	3	20620
Jun 14	4	2200
Jun 28	4	1291
Jul 12	4	646
Jul 26	4	1076
Aug 9	3	884
Aug 23	4	430
Sep 6	3	1148
Sep 20	4	3013
Oct 4	4	0
Oct 18	4	1435
1983		
Mar 16	4	0
May 6	4	175691
May 16	3.75	1224
Jun 13	4	136509
Jun 20	4	68957
Jul 4	4	6886
Jul 11	4	9899
Jul 18	3.5	5164
Aug 1	4	4304
Aug 8	3.5	31479
Aug 15	4	3060
Aug 29	4.5	1339
Sep 12	3.5	1967
Sep 26	3.5	8362
Oct 3	4	5810
Oct 17	4	13007
Dec 13	4	13987

Kellicottia bostoniensis

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	109756
Sep 9	4	53658
Sep 18	4	39721
Sep 26	4	39024
Oct 1	4	15331
Oct 17	4	39373
Oct 24	4	21428
Nov 7	4	14286
Dec 5	4	30662
1971		
Jan 9	4	104007
Feb 24	4	9756
Mar 30	4	27003
Apr 27	4	32578
May 11	4	14112
May 25	4	58798
Jun 8	4	50958
Jun 25	4	1568
Jul 8	4	18031
Jul 22	4	1568
Aug 5	4	22735
Aug 26	4	8275
Sep 2	4	13328
Sep 25	4	80139
1978		
May 22	3.7	83750
Jun 12	4	287
Jul 10	4	861
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	369913
Jun 25	5	3271
Jul 9	4	0
Jul 23	3.75	689
Aug 6	4.75	181
Aug 20	5	1205
Sep 6	4.5	574
Sep 17	4.75	0
Oct 15	4	191
1980		
May 15	4	5164
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	215
Jul 14	4.5	0
Jul 21	4	215
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	430
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	5810
Sep 15	4	215
Sep 22	4	1291
Sep 29	4	3
Oct 6	4	28836
Oct 13	4	12061
Oct 20	4	8608
Oct 26	4	215
Dec 9	4	215
1981		
Jan 13	4	96
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	382
Jun 22	4	215
Jul 6	4	2200
Jul 20	4	215
Aug 3	4	215
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	96
1982		
Jan 13	4	191
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	1076
Aug 9	3	1144
Aug 23	4	0
Sep 6	3	574
Sep 20	4	0
Oct 4	4	0
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	382
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	8177

Kellicottia longispina

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	6969
Sep 9	4	1394
Sep 18	4	1394
Sep 26	4	2439
Oct 1	4	1394
Oct 17	4	2613
Oct 24	4	2787
Nov 7	4	3484
Dec 5	4	2962
1971		
Jan 9	4	6272
Feb 24	4	9233
Mar 30	4	348
Apr 27	4	4007
May 11	4	68206
May 25	4	119948
Jun 8	4	35279
Jun 25	4	18031
Jul 8	4	4704
Jul 22	4	3136
Aug 5	4	1568
Aug 26	4	1481
Sep 2	4	1176
Sep 25	4	915
1978		
May 22	3.7	15509
Jun 12	4	28979
Jul 10	4	11764
Jul 31	4	32996
Aug 21	4	41316
Sep 11	4	73737
1979		
May 28	4	14202
Jun 25	5	3443
Jul 9	4	3013
Jul 23	3.75	689
Aug 6	4.75	362
Aug 20	5	172
Sep 6	4.5	956
Sep 17	4.75	1450
Oct 15	4	2774
1980		
May 15	4	339140
Jun 9	4.5	11477
Jun 16	4.5	5930
Jul 7	4	6240
Jul 14	4.5	9946
Jul 21	4	25595
Jul 28	4.5	36534
Aug 4	4	71013
Aug 11	4	80266
Aug 18	4.5	40934
Aug 25	4.5	130453
Sep 1	4.5	180378
Sep 8	4	101355
Sep 15	4	361735
Sep 22	4	530014
Sep 29	4	258229
Oct 6	4	338280
Oct 13	4	455989
Oct 20	4	424141
Oct 26	4	157950
Dec 9	4	256938
1981		
Jan 13	4	126532
Feb 10	4	109412
Mar 17	4	189655
May 11	4	14848
May 25	4	1339
Jun 8	4	13581
Jun 22	4	9468
Jul 6	4	107213
Jul 20	4	1100
Aug 3	4	1291
Aug 18	4	287
Aug 31	4	382
Sep 14	4	287
Sep 28	4	0
Oct 12	4	478
1982		
Jan 13	4	1052
Mar 8	4	4399
May 17	5	24101
May 31	3	106093
Jun 14	4	10903
Jun 28	4	34861
Jul 12	4	20873
Jul 26	4	32709
Aug 9	3	42290
Aug 23	4	44329
Sep 6	3	69148
Sep 20	4	81988
Oct 4	4	88443
Oct 18	4	76512
1983		
Mar 16	4	635458
May 6	4	296772
May 16	3.75	80491
Jun 13	4	114244
Jun 20	4	15876
Jul 4	4	8392
Jul 11	4	12051
Jul 18	3.5	3197
Aug 1	4	1291
Aug 8	3.5	3935
Aug 15	4	574
Aug 29	4.5	1148
Sep 12	3.5	2459
Sep 26	3.5	1230
Oct 3	4	11405
Oct 17	4	0
Dec 13	4	11620

Keratella cochlearis

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	2277700
Sep 9	4	2343554
Sep 18	4	1517422
Sep 26	4	1176655
Oct 1	4	673519
Oct 17	4	758188
Oct 24	4	279094
Nov 7	4	953484
Dec 5	4	960801
1971		
Jan 9	4	406098
Feb 24	4	120558
Mar 30	4	98606
Apr 27	4	61498
May 11	4	177570
May 25	4	757317
Jun 8	4	447648
Jun 25	4	125436
Jul 8	4	348868
Jul 22	4	2017160
Aug 5	4	1835279
Aug 26	4	927788
Sep 2	4	1030531
Sep 25	4	518206
1978		
May 22	3.7	189212
Jun 12	4	15781
Jul 10	4	10903
Jul 31	4	3156
Aug 31	4	18650
Sep 11	4	14633
1979		
May 28	4	328596
Jun 25	5	149600
Jul 9	4	84140
Jul 23	3.75	2295
Aug 6	4.75	2899
Aug 20	5	861
Sep 6	4.5	2487
Sep 17	4.75	2174
Oct 15	4	5643
1980		
May 15	4	434470
Jun 9	4.5	10329
Jun 16	4.5	5547
Jul 7	4	1722
Jul 14	4.5	765
Jul 21	4	3013
Jul 28	4.5	2295
Aug 4	4	2367
Aug 11	4	2152
Aug 18	4.5	2295
Aug 25	4.5	1913
Sep 1	4.5	574
Sep 8	4	4304
Sep 15	4	3228
Sep 22	4	2797
Sep 29	4	574
Oct 6	4	6886
Oct 13	4	4734
Oct 20	4	7107
Oct 26	4	1291
Dec 9	4	5380
1981		
Jan 13	4	2869
Feb 10	4	1243
Mar 17	4	1052
May 11	4	5164
May 25	4	1817
Jun 8	4	18554
Jun 22	4	63696
Jul 6	4	116394
Jul 20	4	4160
Aug 3	4	6886
Aug 18	4	956
Aug 31	4	478
Sep 14	4	1913
Sep 28	4	1937
Oct 12	4	11668
1982		
Jan 13	4	7173
Mar 8	4	3252
May 17	5	14418
May 31	3	31564
Jun 14	4	3443
Jun 28	4	9468
Jul 12	4	6886
Jul 26	4	6025
Aug 9	3	5188
Aug 23	4	3013
Sep 6	3	4304
Sep 20	4	1506
Oct 4	4	430
Oct 18	4	12816
1983		
Mar 16	4	7962
May 6	4	58914
May 16	3.75	3162
Jun 13	4	108658
Jun 20	4	69817
Jul 4	4	34646
Jul 11	4	50355
Jul 18	3.5	5656
Aug 1	4	4949
Aug 8	3.5	3689
Aug 15	4	3252
Aug 29	4.5	3443
Sep 12	3.5	66402
Sep 26	3.5	182973
Oct 3	4	477723
Oct 17	4	353964
Dec 13	4	666445

Keratella cochlearis f. robusta

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	1742
Apr 27	4	0
May 11	4	1568
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	348
Sep 2	4	392
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	287
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	3443
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	1442
Jun 14	4	287
Jun 28	4	430
Jul 12	4	0
Jul 26	4	0
Aug 9	3	126
Aug 23	4	430
Sep 6	3	0
Sep 20	4	215
Oct 4	4	215
Oct 18	4	765
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Keratella hiemalis

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	871
Dec 5	4	6098
1971		
Jan 9	4	10976
Feb 24	4	23868
Mar 30	4	13066
Apr 27	4	80662
May 11	4	59190
May 25	4	3136
Jun 8	4	0
Jun 25	4	784
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	391
1978		
May 22	3.7	53042
Jun 12	4	861
Jul 10	4	287
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	6455
Jun 25	5	344
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	172
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	7101
Jun 9	4.5	0
Jun 15	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	17861
1981		
Jan 13	4	21136
Feb 10	4	30700
Mar 17	4	9086
May 11	4	5595
May 25	4	0
Jun 8	4	96
Jun 22	4	0
Jul 6	4	96
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	96
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	91719
Mar 8	4	46290
May 17	5	36582
May 31	3	1730
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	126
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	157950
May 6	4	0
May 16	3.75	9590
Jun 13	4	191
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	2367

Keratella taurocephala

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	3484
Sep 9	4	3484
Sep 18	4	4181
Sep 26	4	2439
Oct 1	4	3833
Oct 17	4	1742
Oct 24	4	3136
Nov 7	4	2439
Dec 5	4	3484
1971		
Jan 9	4	4007
Feb 24	4	4181
Mar 30	4	1045
Apr 27	4	1220
May 11	4	31359
May 25	4	120732
Jun 8	4	263415
Jun 25	4	223432
Jul 8	4	172474
Jul 22	4	201481
Aug 5	4	161498
Aug 26	4	107796
Sep 2	4	170514
Sep 25	4	75436
1978		
May 22	3.7	1241
Jun 12	4	1435
Jul 10	4	2582
Jul 31	4	1435
Aug 21	4	2582
Sep 11	4	16067
1979		
May 28	4	20228
Jun 25	5	13428
Jul 9	4	3443
Jul 23	3.75	23413
Aug 6	4.75	23739
Aug 20	5	16871
Sep 6	4.5	536159
Sep 17	4.75	576076
Oct 15	4	287495
1980		
May 15	4	110178
Jun 9	4.5	1339
Jun 16	4.5	2295
Jul 7	4	1076
Jul 14	4.5	2869
Jul 21	4	7532
Jul 28	4.5	8608
Aug 4	4	25608
Aug 11	4	46696
Aug 18	4.5	25249
Aug 25	4.5	27544
Sep 1	4.5	28883
Sep 8	4	15709
Sep 15	4	31633
Sep 22	4	29911
Sep 29	4	10042
Oct 6	4	17000
Oct 13	4	11620
Oct 20	4	11190
Oct 26	4	4591
Dec 9	4	4949
1981		
Jan 13	4	765
Feb 10	4	382
Mar 17	4	191
May 11	4	10975
May 25	4	4878
Jun 8	4	1722
Jun 22	4	5164
Jul 6	4	6025
Jul 20	4	5810
Aug 3	4	9684
Aug 18	4	11094
Aug 31	4	14442
Sep 14	4	19606
Sep 28	4	23240
Oct 12	4	15207
1982		
Jan 13	4	17789
Mar 8	4	574
May 17	5	10329
May 31	3	15235
Jun 14	4	1339
Jun 28	4	3228
Jul 12	4	861
Jul 26	4	2797
Aug 9	3	8916
Aug 23	4	20873
Sep 6	3	83494
Sep 20	4	72734
Oct 4	4	75747
Oct 18	4	44568
1983		
Mar 16	4	1076
May 6	4	40073
May 16	3.75	6325
Jun 13	4	8346
Jun 20	4	9181
Jul 4	4	11405
Jul 11	4	9684
Jul 18	3.5	21150
Aug 1	4	26684
Aug 8	3.5	36644
Aug 15	4	19893
Aug 29	4.5	39021
Sep 12	3.5	297332
Sep 26	3.5	260196
Oct 3	4	214760
Oct 17	4	119646
Dec 13	4	55089

Lecane sp. (+ Monostyla)

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	1045
Sep 9	4	6271
Sep 18	4	1394
Sep 26	4	2091
Oct 1	4	522
Oct 17	4	0
Oct 24	4	174
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	174
May 11	4	784
May 25	4	0
Jun 8	4	1568
Jun 25	4	4704
Jul 8	4	3136
Jul 22	4	2352
Aug 5	4	1568
Aug 26	4	914
Sep 2	4	1960
Sep 25	4	348
1978		
May 22	3.7	930
Jun 12	4	287
Jul 10	4	574
Jul 31	4	574
Aug 31	4	861
Sep 11	4	287
1979		
May 28	4	430
Jun 25	5	1721
Jul 9	4	860
Jul 23	3.75	0
Aug 6	4.75	181
Aug 20	5	344
Sep 6	4.5	191
Sep 17	4.75	181
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	191
Jun 16	4.5	1148
Jul 7	4	1722
Jul 14	4.5	191
Jul 21	4	1506
Jul 28	4.5	1530
Aug 4	4	1507
Aug 11	4	1721
Aug 18	4.5	1530
Aug 25	4.5	573
Sep 1	4.5	574
Sep 8	4	0
Sep 15	4	861
Sep 22	4	215
Sep 29	4	0
Oct 6	4	215
Oct 13	4	215
Oct 20		215
Oct 26	4	215
Dec 9	4	0
1981		
Jan 13	4	96
Feb 10	4	0
Mar 17	4	0
May 11	4	215
May 25	4	382
Jun 8	4	478
Jun 22	4	861
Jul 6	4	574
Jul 20	4	2510
Aug 3	4	2152
Aug 18	4	1243
Aug 31	4	192
Sep 14	4	0
Sep 28	4	215
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	215
May 31	3	0
Jun 14	4	96
Jun 28	4	1937
Jul 12	4	861
Jul 26	4	430
Aug 9	3	1409
Aug 23	4	1722
Sep 6	3	287
Sep 20	4	0
Oct 4	4	430
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	191
May 16	3.75	0
Jun 13	4	318
Jun 20	4	382
Jul 4	4	861
Jul 11	4	1506
Jul 18	3.5	491
Aug 1	4	215
Aug 8	3.5	747
Aug 15	4	287
Aug 29	4.5	0
Sep 12	3.5	246
Sep 26	3.5	982
Oct 3	4	1076
Oct 17	4	0
Dec 13	4	0

Lepadella sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	10801
Sep 9	4	8362
Sep 18	4	15331
Sep 26	4	24042
Oct 1	4	6794
Oct 17	4	6794
Oct 24	4	3658
Nov 7	4	1568
Dec 5	4	2439
1971		
Jan 9	4	697
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	784
Jun 8	4	784
Jun 25	4	2352
Jul 8	4	14112
Jul 22	4	2352
Aug 5	4	5488
Aug 26	4	1132
Sep 2	4	784
Sep 25	4	392
1978		
May 22	3.7	310
Jun 12	4	287
Jul 10	4	574
Jul 31	4	0
Aug 21	4	0
Sep 11	4	287
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	344
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	574
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	646
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	646
Aug 3	4	215
Aug 18	4	96
Aug 31	4	96
Sep 14	4	0
Sep 28	4	430
Oct 12	4	191
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	287
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	215
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	96
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	215

Notonmata sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	310
Jun 12	4	574
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	430
Jun 25	5	344
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	191
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	8799
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	956
Aug 25	4.5	382
Sep 1	4.5	382
Sep 8	4	215
Sep 15	4	0
Sep 22	4	2797
Sep 29	4	1052
Oct 6	4	430
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	765
Jun 8	4	24293
Jun 22	4	646
Jul 6	4	0
Jul 20	4	215
Aug 3	4	646
Aug 18	4	96
Aug 31	4	0
Sep 14	4	669
Sep 28	4	0
Oct 12	4	191
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	572
Jun 14	4	0
Jun 28	4	1291
Jul 12	4	215
Jul 26	4	0
Aug 9	3	128
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Polyarthra dolichoptera

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	225610
May 11	4	128179
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	21304
May 31	3	1136
Jun 14	4	287
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	430
Sep 6	3	0
Sep 20	4	215
Oct 4	4	215
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	1052
May 16	3.75	8365
Jun 13	4	382
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	669
Dec 13	4	0

Polyarthra remata

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	427178
Sep 9	4	590244
Sep 18	4	266202
Sep 26	4	100697
Oct 1	4	46690
Oct 17	4	71254
Oct 24	4	85888
Nov 7	4	161324
Dec 5	4	361324
1971		
Jan 9	4	613415
Feb 24	4	60279
Mar 30	4	7666
Apr 27	4	82230
May 11	4	165810
May 25	4	43118
Jun 8	4	23519
Jun 25	4	2352
Jul 8	4	784
Jul 22	4	35279
Aug 5	4	21951
Aug 26	4	24434
Sep 2	4	174434
Sep 25	4	111368
1978		
May 22	3.7	1185215
Jun 12	4	0
Jul 10	4	287
Jul 31	4	287
Aug 31	4	2869
Sep 11	4	14920
1979		
May 28	4	36798
Jun 25	5	1033
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	181
Aug 20	5	861
Sep 6	4.5	1148
Sep 17	4.75	362
Oct 15	4	573
1980		
May 15	4	50139
Jun 9	4.5	382
Jun 16	4.5	1722
Jul 7	4	1722
Jul 14	4.5	4591
Jul 21	4	5164
Jul 28	4.5	11477
Aug 4	4	16785
Aug 11	4	93823
Aug 18	4.5	49924
Aug 25	4.5	82268
Sep 1	4.5	171196
Sep 8	4	75532
Sep 15	4	53367
Sep 22	4	95975
Sep 29	4	38447
Oct 6	4	90380
Oct 13	4	63696
Oct 20	4	100064
Oct 26	4	11405
Dec 9	4	192596
1981		
Jan 13	4	127584
Feb 10	4	71539
Mar 17	4	765
May 11	4	52937
May 25	4	1817
Jun 8	4	1243
Jun 22	4	2152
Jul 6	4	14824
Jul 20	4	3084
Aug 3	4	13342
Aug 18	4	27640
Aug 31	4	19224
Sep 14	4	15589
Sep 28	4	34646
Oct 12	4	10616
1982		
Jan 13	4	2295
Mar 8	4	478
May 17	5	9468
May 31	3	8853
Jun 14	4	3252
Jun 28	4	646
Jul 12	4	430
Jul 26	4	215
Aug 9	3	509
Aug 23	4	3013
Sep 6	3	2295
Sep 20	4	1076
Oct 4	4	2582
Oct 18	4	6408
1983		
Mar 16	4	61329
May 6	4	112186
May 16	3.75	47642
Jun 13	4	55944
Jun 20	4	6504
Jul 4	4	3013
Jul 11	4	3873
Jul 18	3.5	7132
Aug 1	4	4304
Aug 8	3.5	3689
Aug 15	4	2678
Aug 29	4.5	3060
Sep 12	3.5	109194
Sep 26	3.5	252080
Oct 3	4	625128
Oct 17	4	416800
Dec 13	4	154076

Polyarthra vulgaris

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	163415
Sep 9	4	222300
Sep 18	4	249129
Sep 26	4	182230
Oct 1	4	140418
Oct 17	4	67944
Oct 24	4	57840
Nov 7	4	29094
Dec 5	4	22125
1971		
Jan 9	4	42509
Feb 24	4	49652
Mar 30	4	12021
Apr 27	4	35192
May 11	4	20775
May 25	4	183449
Jun 8	4	25871
Jun 25	4	24303
Jul 8	4	36063
Jul 22	4	119164
Aug 5	4	77613
Aug 26	4	15026
Sep 2	4	56054
Sep 25	4	37152
1978		
May 22	3.7	14268
Jun 12	4	4304
Jul 10	4	8321
Jul 31	4	14633
Aug 21	4	70296
Sep 11	4	48776
1979		
May 28	4	37874
Jun 25	5	11362
Jul 9	4	5380
Jul 23	3.75	2525
Aug 6	4.75	7067
Aug 20	5	72476
Sep 6	4.5	88180
Sep 17	4.75	88976
Oct 15	4	17789
1980		
May 15	4	26899
Jun 9	4.5	3443
Jun 16	4.5	3252
Jul 7	4	5595
Jul 14	4.5	16259
Jul 21	4	27544
Jul 28	4.5	43421
Aug 4	4	84355
Aug 11	4	168279
Aug 18	4.5	141548
Aug 25	4.5	346600
Sep 1	4.5	157424
Sep 8	4	138798
Sep 15	4	66494
Sep 22	4	35722
Sep 29	4	25058
Oct 6	4	44329
Oct 13	4	26468
Oct 20	4	27329
Oct 26	4	4734
Dec 9	4	15278
1981		
Jan 13	4	2200
Feb 10	4	3921
Mar 17	4	6695
May 11	4	81988
May 25	4	6312
Jun 8	4	1530
Jun 22	4	3443
Jul 6	4	16928
Jul 20	4	5595
Aug 3	4	14848
Aug 18	4	5451
Aug 31	4	62549
Sep 14	4	92484
Sep 28	4	27114
Oct 12	4	8703
1982		
Jan 13	4	1626
Mar 8	4	96
May 17	5	77899
May 31	3	302149
Jun 14	4	13103
Jun 28	4	701
Jul 12	4	12266
Jul 26	4	9468
Aug 9	3	19974
Aug 23	4	159456
Sep 6	3	55663
Sep 20	4	13557
Oct 4	4	9253
Oct 18	4	3539
1983		
Mar 16	4	12696
May 6	4	24484
May 16	3.75	7141
Jun 13	4	77179
Jun 20	4	5260
Jul 4	4	4519
Jul 11	4	1076
Jul 18	3.5	1230
Aug 1	4	81988
Aug 8	3.5	45989
Aug 15	4	6217
Aug 29	4.5	61975
Sep 12	3.5	380949
Sep 26	3.5	153216
Oct 3	4	101140
Oct 17	4	55854
Dec 13	4	3013

Rotaria sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	391
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	784
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	784
Sep 25	4	391
1978		
May 22	3.7	310
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	230
Aug 6	4.75	906
Aug 20	5	172
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	0
Sep 22	4	430
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	96
Mar 17	4	191
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	96
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	646
Jul 12	4	0
Jul 26	4	0
Aug 9	3	126
Aug 23	4	1506
Sep 6	3	287
Sep 20	4	0
Oct 4	4	215
Oct 18	4	191
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	215
Jul 18	3.5	246
Aug 1	4	215
Aug 8	3.5	246
Aug 15	4	96
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	215
Oct 17	4	96
Dec 13	4	0

Synchaeta sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	348
Oct 1	4	1045
Oct 17	4	3484
Oct 24	4	7317
Nov 7	4	14460
Dec 5	4	9408
1971		
Jan 9	4	4704
Feb 24	4	4878
Mar 30	4	3136
Apr 27	4	64460
May 11	4	3920
May 25	4	0
Jun 8	4	0
Jun 25	4	3136
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	392
Sep 25	4	1176
1978		
May 22	3.7	2171
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	51646
Sep 11	4	0
1979		
May 28	4	646
Jun 25	5	0
Jul 9	4	861
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	215
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	0
Sep 8	4	0
Sep 15	4	1076
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	215
Jul 12	4	215
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	1506
Oct 18	4	6599
1983		
Mar 16	4	1506
May 6	4	0
May 16	3.75	3979
Jun 13	4	445
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	96
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	246
Oct 3	4	0
Oct 17	4	669
Dec 13	4	646

Testudinella sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	784
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	287
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	191
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	765
Aug 4	4	646
Aug 11	4	1076
Aug 18	4.5	1722
Aug 25	4.5	382
Sep 1	4.5	0
Sep 8	4	646
Sep 15	4	215
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	215
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	0
Jul 6	4	0
Jul 20	4	96
Aug 3	4	0
Aug 18	4	0
Aug 31	4	96
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	209
Jun 14	4	96
Jun 28	4	215
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	215
Sep 6	3	0
Sep 20	4	0
Oct 4	4	215
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	215
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	738
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Trichocerca cylindrica

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	1045
Sep 9	4	2787
Sep 18	4	1742
Sep 26	4	2090
Oct 1	4	1394
Oct 17	4	1045
Oct 24	4	871
Nov 7	4	523
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	1568
May 25	4	3136
Jun 8	4	0
Jun 25	4	10192
Jul 8	4	35279
Jul 22	4	139547
Aug 5	4	194425
Aug 26	4	5880
Sep 2	4	4312
Sep 25	4	1307
1978		
May 22	3.7	13648
Jun 12	4	574
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	287
1979		
May 28	4	1075
Jun 25	5	172
Jul 9	4	215
Jul 23	3.75	689
Aug 6	4.75	725
Aug 20	5	6714
Sep 6	4.5	48585
Sep 17	4.75	32075
Oct 15	4	3634
1980		
May 15	4	4734
Jun 9	4.5	1722
Jun 16	4.5	382
Jul 7	4	0
Jul 14	4.5	191
Jul 21	4	215
Jul 28	4.5	0
Aug 4	4	1076
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	191
Sep 8	4	430
Sep 15	4	215
Sep 22	4	215
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	1722
May 25	4	861
Jun 8	4	574
Jun 22	4	861
Jul 6	4	574
Jul 20	4	1196
Aug 3	4	7747
Aug 18	4	6695
Aug 31	4	3347
Sep 14	4	19606
Sep 28	4	27114
Oct 12	4	3252
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	15494
May 31	3	263019
Jun 14	4	2391
Jun 28	4	0
Jul 12	4	1076
Jul 26	4	0
Aug 9	3	0
Aug 23	4	215
Sep 6	3	287
Sep 20	4	430
Oct 4	4	430
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	8608
May 16	3.75	204
Jun 13	4	6875
Jun 20	4	1052
Jul 4	4	1506
Jul 11	4	215
Jul 18	3.5	246
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Trichocerca sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	17770
Sep 9	4	74564
Sep 18	4	28223
Sep 26	4	42857
Oct 1	4	5923
Oct 17	4	20209
Oct 24	4	22300
Nov 7	4	23693
Dec 5	4	39373
1971		
Jan 9	4	162195
Feb 24	4	697
Mar 30	4	348
Apr 27	4	0
May 11	4	2352
May 25	4	7839
Jun 8	4	0
Jun 25	4	3920
Jul 8	4	4704
Jul 22	4	10192
Aug 5	4	10192
Aug 26	4	1568
Sep 2	4	33319
Sep 25	4	93816
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	287
Aug 31	4	0
Sep 11	4	2582
1979		
May 28	4	1506
Jun 25	5	689
Jul 9	4	646
Jul 23	3.75	230
Aug 6	4.75	725
Aug 20	5	344
Sep 6	4.5	1913
Sep 17	4.75	2356
Oct 15	4	1148
1980		
May 15	4	215
Jun 9	4.5	0
Jun 16	4.5	382
Jul 7	4	430
Jul 14	4.5	1339
Jul 21	4	1076
Jul 28	4.5	191
Aug 4	4	645
Aug 11	4	861
Aug 18	4.5	382
Aug 25	4.5	1148
Sep 1	4.5	3060
Sep 8	4	1291
Sep 15	4	1506
Sep 22	4	1506
Sep 29	4	1435
Oct 6	4	11190
Oct 13	4	11835
Oct 20	4	3443
Oct 26	4	0
Dec 9	4	861
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	430
May 25	4	96
Jun 8	4	574
Jun 22	4	646
Jul 6	4	2678
Jul 20	4	2893
Aug 3	4	4089
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	430
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	215
Aug 9	3	254
Aug 23	4	646
Sep 6	3	0
Sep 20	4	0
Oct 4	4	430
Oct 18	4	96
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	102
Jun 13	4	0
Jun 20	4	0
Jul 4	4	215
Jul 11	4	646
Jul 18	3.5	1230
Aug 1	4	215
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	191
Sep 12	3.5	0
Sep 26	3.5	1476
Oct 3	4	0
Oct 17	4	0
Dec 13	4	861

Trochosphaera solstitialis

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	3920
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	3443
Sep 1	4.5	135809
Sep 8	4	104798
Sep 15	4	134709
Sep 22	4	213039
Sep 29	4	79286
Oct 6	4	47557
Oct 13	4	40241
Oct 20	4	30557
Oct 26	4	7962
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	180760
May 25	4	6599
Jun 8	4	5164
Jun 22	4	0
Jul 6	4	3539
Jul 20	4	0
Aug 3	4	0
Aug 18	4	0
Aug 31	4	0
Sep 14	4	0
Sep 28	4	0
Oct 12	4	0
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Trichotria sp.

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	0
Sep 9	4	0
Sep 18	4	0
Sep 26	4	0
Oct 1	4	0
Oct 17	4	0
Oct 24	4	0
Nov 7	4	0
Dec 5	4	0
1971		
Jan 9	4	0
Feb 24	4	0
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	0
Jun 12	4	0
Jul 10	4	0
Jul 31	4	0
Aug 31	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	0
Jul 9	4	0
Jul 23	3.75	0
Aug 6	4.75	0
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	0
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	0
Jul 7	4	0
Jul 14	4.5	0
Jul 21	4	0
Jul 28	4.5	0
Aug 4	4	0
Aug 11	4	0
Aug 18	4.5	0
Aug 25	4.5	0
Sep 1	4.5	191
Sep 8	4	0
Sep 15	4	0
Sep 22	4	0
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	0
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	0
Feb 10	4	0
Mar 17	4	0
May 11	4	0
May 25	4	0
Jun 8	4	0
Jun 22	4	430
Jul 6	4	191
Jul 20	4	191
Aug 3	4	430
Aug 18	4	191
Aug 31	4	0
Sep 14	4	96
Sep 28	4	0
Oct 12	4	96
1982		
Jan 13	4	0
Mar 8	4	0
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	215
Jul 4	4	0
Jul 11	4	0
Jul 18	3.5	0
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	96
Dec 13	4	0

Other globular rotifers

Date	Column depth	no. m^{-3}
1970		
Aug 27	4	54704
Sep 9	4	66202
Sep 18	4	23345
Sep 26	4	30662
Oct 1	4	4007
Oct 17	4	2962
Oct 24	4	4704
Nov 7	4	1568
Dec 5	4	1568
1971		
Jan 9	4	3310
Feb 24	4	1568
Mar 30	4	0
Apr 27	4	0
May 11	4	0
May 25	4	24303
Jun 8	4	0
Jun 25	4	0
Jul 8	4	0
Jul 22	4	0
Aug 5	4	0
Aug 26	4	0
Sep 2	4	0
Sep 25	4	0
1978		
May 22	3.7	8995
Jun 12	4	0
Jul 10	4	574
Jul 31	4	95258
Aug 21	4	0
Sep 11	4	0
1979		
May 28	4	0
Jun 25	5	516
Jul 9	4	0
Jul 23	3.75	689
Aug 6	4.75	725
Aug 20	5	0
Sep 6	4.5	0
Sep 17	4.75	0
Oct 15	4	191
1980		
May 15	4	0
Jun 9	4.5	0
Jun 16	4.5	191
Jul 7	4	0
Jul 14	4.5	382
Jul 21	4	0
Jul 28	4.5	574
Aug 4	4	646
Aug 11	4	646
Aug 18	4.5	3634
Aug 25	4.5	574
Sep 1	4.5	382
Sep 8	4	0
Sep 15	4	0
Sep 22	4	215
Sep 29	4	0
Oct 6	4	0
Oct 13	4	0
Oct 20	4	215
Oct 26	4	0
Dec 9	4	0
1981		
Jan 13	4	574
Feb 10	4	96
Mar 17	4	191
May 11	4	646
May 25	4	0
Jun 8	4	0
Jun 22	4	21304
Jul 6	4	2869
Jul 20	4	1387
Aug 3	4	3013
Aug 18	4	1243
Aug 31	4	574
Sep 14	4	574
Sep 28	4	1076
Oct 12	4	765
1982		
Jan 13	4	191
Mar 8	4	96
May 17	5	0
May 31	3	0
Jun 14	4	0
Jun 28	4	0
Jul 12	4	0
Jul 26	4	0
Aug 9	3	0
Aug 23	4	0
Sep 6	3	0
Sep 20	4	0
Oct 4	4	0
Oct 18	4	0
1983		
Mar 16	4	0
May 6	4	0
May 16	3.75	0
Jun 13	4	0
Jun 20	4	0
Jul 4	4	430
Jul 11	4	646
Jul 18	3.5	492
Aug 1	4	0
Aug 8	3.5	0
Aug 15	4	0
Aug 29	4.5	0
Sep 12	3.5	0
Sep 26	3.5	0
Oct 3	4	0
Oct 17	4	0
Dec 13	4	0

Appendix 1. Variation in calculated density due to variability in raw count for adult copepods and cladocerans in L223 in 1974.

Species	Sampling date	Sampling layer m	Original Count: Percent of total sample volume counted	Original Count: Calculated density (no. m^{-3})	Recount: Raw Counts (no. ml^{-1} aliquot)	Recount: Percent of total sample volume	Recount: Calculated density (no. m^{-3}) 10 counts	Recount: lowest pair	Recount: highest pair
Daphnia galeatae mendotae	May 22	0-11	8.8	0	0,0,0,0,1,0,0,0, 0,0	25	12	0	58
	Jun 19	0- 4	6.7	732	2,1,2,1,1,2,1,2, 2,5	25	530	279	976
	Jun 19	4-13	7.1	1084	6,13,9,7,6,9 15,9,9,13	25	1672	929	2168
	Jul 17	0- 4	8.3	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jul 17	4-13	7.3	3228	16,14,30,18,17 22,21,17,29,16	25	3097	2323	4568
	Aug 14	0- 5	7.5	310	1,0,1,0,1,1,0,1 1,1	25	163	0	232
	Aug 14	5-12	7.1	3066	16,14,16,16,16, 12,11,22,17,12	25	3026	2290	3883
	Sep 11	0- 7	7.5	232	3,3,4,2,1,2,1,4 3,3	25	453	174	610
	Sep 11	7-12	7.0	499	1,1,0,1,4,2,1,0 4,2	25	446	0	1115
	Oct 9	0-12	7.0	192	1,1,4,4,1,3,0,3 1,6	25	257	54	536
	Nov 6	0-13	7.5	66	1,1,0,1,0,0,0,1, 0,0	25	40	0	99
Bosmina longirostris	May 22	0-11	8.8	66	0,0,0,1,0,0,0,0, 0,0	25	12	0	58
	Jun 19	0- 4	6.7	1777	6,7,10,13,10,6,7, 5,10,7	25	2258	1533	3206
	Jun 19	4-13	7.1	3794	14,24,15,13,15,10, 20,18,20,19	25	2602	1781	3407
	Jul 17	0- 4	8.3	1087	6,7,3,8,3,6,4,2, 5,8	25	1449	697	2230
	Jul 17	4-13	7.3	423	1,1,2,2,3,2,4,2, 2,3	25	341	155	542
	Aug 14	0- 5	7.5	5033	33,27,24,18,24,24, 28,30,23,25	25	5947	4762	7317
	Aug 14	5-12	7.1	906	5,7,6,6,6,8,10,1, 2,7	25	1155	299	1792
	Sep 11	0- 7	7.5	348	2,5,2,3,2,3,2,2, 0,3	25	418	174	697
	Sep 11	7-12	7.0	599	1,1,2,1,2,3,1,0, 2,1	25	390	139	697
	Oct 9	0-12	7.0	0	3,1,0,0,0,0,0,1, 0,1	25	64	0	214
	Nov 6	0-13	7.5	0	0,0,0,0,0,0,0,0, 0,1	25	10	0	50
Diaphanosoma brachyurum	May 22	0-11	8.8	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jun 19	0- 4	6.7	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jun 19	4-13	7.1	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jul 17	0- 4	8.3	1672	7,6,7,9,5,11,8,8, 12,13	25	2397	1533	3484
	Jul 17	4-13	7.3	688	5,4,4,6,8,7,5,1, 6,6	25	805	387	1161
	Aug 14	0- 7	7.5	1471	4,9,5,9,13,5,9,8, 8,9	25	1835	1045	2555
	Aug 14	5-12	7.1	209	10,6,4,2,3,4,5,6, 5,4	25	976	498	1593
	Sep 11	0- 7	7.5	290	2,5,5,4,4,2,6,4, 3,6	25	714	348	1045
	Sep 11	7-12	7.0	1099	1,1,1,1,1,1,3,2, 1,2	25	390	279	697
	Oct 9	0-12	7.0	115	2,0,0,3,1,2,2,2, 2,1	25	161	0	268
	Nov 6	0-13	7.5	0	0,0,0,0,0,1,0,0, 0,0	25	10	0	50

Appendix 1. Cont'd.

Species	Sampling date	Sampling layer m	Original Count: Percent of total sample volume counted	Original Count: Calculated density (no. m^{-3})	Recount: Raw Counts (no. ml^{-1} (aliquot)	Recount: Percent of total sample volume	Recount: Calculated density (no. m^{-3}) 10 counts	Recount: lowest pair	Recount: highest pair
Cyclops bicuspidatus thomasi	May 22	0-11	8.8	494	3,2,4,9,3,3,3,4, 2,5	25	441	232	1045
	Jun 19	0- 4	6.7	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jun 19	4-13	7.1	0	0,0,3,0,0,0,0,0, 0,0	25	52	0	232
	Jul 17	0- 4	8.3	84	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jul 17	4-13	7.3	952	4,4,7,4,3,8,6,10, 4,4	25	836	542	1394
	Aug 14	0- 5	7.5	0	0,2,0,0,0,0,0,0, 0,0	25	46	0	232
	Aug 14	5-12	7.1	4530	24,19,17,26,21,23, 20,32,26,21	25	4559	3584	5774
	Sep 11	0- 7	7.5	0	0,0,0,0,0,1,0,0, 0,0	25	17	0	87
	Sep 11	7-12	7.0	999	3,5,5,4,2,4,2,2, 1,5	25	920	418	1394
	Oct 9	0-12	7.0	1345	9,7,14,16,12,15, 16,17,10,13	25	1383	911	1769
	Nov 6	0-13	7.5	0	0,1,0,0,1,0,1,3, 1,2	25	90	0	249
Mesocyclops edax	May 22	0-11	8.8		1,2,0,0,0,0,0,0, 0,1	25	46	0	174
	Jun 19	0- 4	6.7	209	3,0,0,0,1,0,2,0 2,1	25	251	0	697
	Jun 19	4-13	7.1	271	0,0,0,1,0,1,0,1, 1,2	25	105	0	232
	Jul 17	0- 4	8.3	251	0,2,2,2,3,4,3,0 1,0	25	474	0	976
	Jul 17	4-13	7.3	265	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Aug 14	0- 5	7.5	77	1,0,1,0,2,0,0,0, 0,0	25	93	0	348
	Aug 14	5-12	7.1	70	1,0,1,1,1,0,0,0 1,0	25	100	0	199
	Sep 11	0- 7	7.5	58	0,0,0,0,0,0,0,1, 0,1	25	35	0	174
	Sep 11	7-12	7.0	200	0,0,0,1,1,1,0,0 0,0	25	84	0	279
	Oct 9	0-12	7.0	77	0,0,1,0,0,1,0,0 1,1	25	43	0	107
	Nov 6	0-13	7.5	0	0,0,0,0,0,0,0,0 0,0	25	0	0	0
Tropocyclops prasinus mex.	May 22	0-11	8.8	99	1,0,3,1,0,1,2,2, 0,0	25	116	0	290
	Jun 19	0- 4	6.7	0	2,2,2,1,0,0,1,0, 1,0	25	251	0	557
	Jun 19	4-13	7.1	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jul 17	0- 4	8.3	84	0,0,0,3,0,0,2,0, 2,0	25	195	0	697
	Jul 17	4-13	7.3	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Aug 14	0- 5	7.5	929	1,4,5,2,3,4,0,4, 0,2	25	604	0	1045
	Aug 14	5-12	7.1	70	1,0,0,0,0,0,1,0, 2,1	25	100	0	299
	Sep 11	0- 7	7.5	174	1,1,1,1,0,0,1,0, 1,1	25	129	0	174
	Sep 11	7-12	7.0	0	0,0,1,2,0,0,1,0, 0,0	25	111	0	418
	Oct 9	0-12	7.0	154	1,1,3,2,3,4,1,0, 3,2	25	214	54	375
	Nov 6	0-13	7.5	133	0,0,1,1,2,1,0,0, 0,3	25	80	0	249

Appendix 1. Cont'd.

Species	Sampling date	Sampling layer m	Original Count: Percent of total sample volume counted	Original Count: Calculated density (no. m^{-3})	Recount: Raw Counts (no. ml^{-1} aliquot)	Recount: Percent of total sample volume	Recount: Calculated density (no. m^{-3}) 10 counts	Recount: lowest pair	Recount: highest pair
Holopedium gibberum	May 22	0-11	8.8	33	0,0,0,1,0,1,0 0,0	25	23	0	116
	Jun 19	0- 4	6.7	0	0,1,0,0,0,1,0,0 0,0	25	56	0	279
	Jun 19	4-13	7.1	108	0,0,2,0,1,2,1,3, 4,1	25	244	0	542
	Jul 17	0- 4	8.3	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jul 17	4-13	7.3	0	0,1,0,0,0,0,0,0, 0,0	25	15	0	77
	Aug 14	0- 5	7.5	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Aug 14	5-12	7.1	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Sep 11	0- 7	7.5	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Sep 11	7-12	7.0	0	0,0,0,0,0,0,0,0, 1,0	25	28	0	139
	Oct 9	0-12	7.0	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Nov 6	0-13	7.5	0	0,0,0 0,0,0,0,0, 0,0	25	0	0	0
Diaptomus minutus	May 22	0-11	8.8	1678	29,37,27,36,22 20,33,33,23,14	25	3078	1974	4239
	Jun 19	0- 4	6.7	627	3,4,6,9,5,5,5,6, 7,2	25	1449	697	2230
	Jun 19	4-13	7.1	986	5,5,6,5,3,2,5,4 2,10	25	819	348	1394
	Jul 17	0- 4	8.3	<=1	0,1,1,0,4,2,0,0, 1,0	25	251	0	836
	Jul 17	4-13	7.3	53	0,0,0,0,0,0,0,0, 0,2	25	31	0	115
	Aug 14	0- 5	7.5	697	1,1,3,2,2,1,4,0, 2,3	25	441	116	813
	Aug 14	5-12	7.1	70	1,0,0,0,0,0,0,2, 0,0	25	59	0	299
	Sep 11	0- 7	7.5	58	0,0,0,0,0,0,1,2, 0,0	25	52	0	261
	Sep 11	7-12	7.0	200	0,1,0,0,1,1,0,0, 2,1	25	187	0	418
	Oct 9	0-12	7.0	3496	45,44,48,45,36,39 27,48,45,41	25	4481	1377	5146
	Nov 6	0-13	7.5	7699	75,73,76,61,73,77 81,77,68,67	25	7247	6371	7865
Epischura lacustris	May 22	0-11	8.8	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jun 19	0- 4	6.7	314	1,0,1,1,0,0,1,0, 2,2	25	223	0	557
	Jun 19	4-13	7.1	163	0,0,1,1,2,0,0,0, 0,0	25	62	0	232
	Jul 17	0- 4	8.3	0	0,0,0,0,0,0,0,0, 0,0	25	0	0	0
	Jul 17	4-13	7.3	53	1,0,1,0,1,0,1,0, 2,1	25	108	0	232
	Aug 14	0- 5	7.5	0	0,0,1,0,0,0,0,0, 0,0	25	23	0	116
	Aug 14	5-12	7.1	70	0,0,0,0,0,0,2,0, 0,0	25	40	0	199
	Sep 11	0- 7	7.5	0	0,0,1,0,0,0,1,0, 0,1	25	52	0	174
	Sep 11	7-12	7.0	0	0,1,0,0,0,0,0,0, 0,0	25	28	0	139
	Oct 9	0-12	7.0	154	0,1,0,0,0,0,0,0, 0,0	25	11	0	54
	Nov 6	0-13	7.5	0	0,0,0,0,0,2,0,1, 0,0	25	30	0	149

POOR

QUALITY

ORIGINAL